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Frzush-2082/Domain: ankyrin repeat homology
     A)Cross_references, b)yBase_FBgnC801647
A;Map position: 8.96-9.36
A;Introns: 53, 5, *4, c, '1, c, '1, c, *3
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Biochem, J. 207, 589-594, 1982
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A;Residues: 1-48,11',50-118,'R',126-236,'I',232-256,'H',258-266,'A',268-872,'R',874-958,
A;Note: the authors translated the codon ATC for residue 49 as Thr, ATT for residue 2044
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Nucleic Acids Res. 17, 6463-6471, 1989
Alfitte: Appervariability of simple sequences as a general source for polymorphic DNA me
Alketerence number: 809358; MUID:89385974
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A;Arcession: A05267
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                                                                                                                                                                                                                                                                                      e.Species: Homo sapiens (man)
C:Date: 16 Jul-1999 #Sequence_revision 16-141-1494 #toxt channo 16-Jul-1999
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A. Cross references: GB: K03508; NID: q157991; PIDN: AAA28725 1; PID: q157993
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AjMolecule Type: DNA
AjMolecule Type: DS 2011/20202/2002/2007/PC 2870-2804 (*AU)
AjMoleculer 2805/2014/2020
EyMoleculer (*Secondaries) B.: Plinetty/V.G.: Arfavanis-Tsakobas/S.
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c;Species; Drosophila melanoquster
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N;Alternate names: ubiquitin carboxy-forminal esterase
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AjStatus, preliminary: Truslated from GRZPMH Zlubki
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A,keterence number: 216684
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A;Residues. 2504-2576,787,2578-2611 (WHA2)
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Ridray, D.A.
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A; title: Amino deid sequences of three phaspholipases A I, III and JV 11.0m the verom A;Reference number: A90316; MUID:83153048
A;Aecession: A00753
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Submitted to the EMBL Data Library, April 1992
A; Reference number: $20764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     phospholipase A2 (EC 4.1.1.4) III - broad-banded blue sea krait
NAALternate names: phosphatidylcholine 2-acylhydrolase
C;species: Laticanda semilasciata (broad banded blue sea krait, etabu sea stake)
C;tate: uz Apr 1982 Facquence_revision i: dun [182] Feat_chanae 28 Feb 1982
C;Accession: A00753
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C.Date: 20-Feb 1995 #sequence_revision 19-A; lin6 #text_chande 24-Jul-1996
C.Accession: $20773
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Pjass-2568/Region: alutamine-rich
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C;Superfamily: immunoqlobulin V rodious immosnoqlobulin homelody
C;Keywords: heterotetramer; immunoqlobulin
Allitons: 55, 6, 41, 7, 1, 7, 1, 817, 1317, 52,672, 510,073, C.Superfamily; note, protein; ankyrin repeat homology; EGF homology C.Superfamily; note, protein; tandom repeat; fransmembrane profein; P;27-43/Domain; fransmembrane #status proteined sTMM1>
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P:568-599/Jubmain: EGF homology (EGF)
P:508-109/Jubmain: EGF homology (EGF)
P:1084-1095/Jubmain: EGF homology (EGR)
P:1187-1218/Jubmain: EGF homology (EGR)
P:1187-1220/Jubmain: EGF homology (EGR)
P:1187-120/Jubmain: EGF homology (EGR)
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protein search, using sw model ow protein August 30, 2001, 16:31:02 ; Search time 12.79 Seconds (without alignments) 59.558 Million cell updates/sec Rum on:

US: 09-018-194-9 Litle: Perfect score:

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219241 Seds, 76174552 residues Scarchad.

21924 Notal number of hits satisfying chosen parameters:

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Listing first 45 summaries

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Prod. No. is the number of results predicted by charce to have a score areater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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#### RESULT

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Copyright (c) 1993 - 2000 Compugen Ltd.

oM protein protein search, using sw model

August 30, 2001, 16:31:02 ; Search time 10.04 Seconds (without alignments) 34:119 Million cell updates/sec Run on:

US-09-018-194-9 57 Fitle: Perfect score:

1 CATDIKGAEC 10 Scoring table: sodnonos:

BLOSUM62 Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters:

93435 seqs, 34255486 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

SwissProt\_39:\* Database :

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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#### ALTONMENTS

RESULT MOM2_C	RESULT 1 MOM2_CAPEL.
GI	MOM2_CABEL STANDARD; PKT; 462 AA.
, V	010459; 016146;
D.L	01-001-2000 (Rel. 40, Greated)
1.0	01-0CT-2000 (Re). 45 Last sequence update)
LC	01-OCF-2000 (Rel. 40, Last annotation update)
E.	MOM-2 PROTEIN PRECURSOR.
C	MOM-2 OR E38E1.7.
SC	Caenorhabditis elequas.
Š	Eukaryota, Metassas Nematodas Chromadoseas Ehabajitidas Ekabajitsideas
	Rhabditidae: Peloderinae: Caenorhabditis.
X()	NCBI_TaxID*6249;
Z Y	=
÷	SEQUENCE FROM N.A.
, ×	STRAIN BRISTOL N2;
×	MEDLINE 974.8081; PubMed 9288750;
ΚĀ	Rocheleau C.E., Downs W.D., Lin R., Wittmann C., Rei N., Cha YH.,
ΥY	Ali M., Priess J.R., Mello C.C.;
<u>-</u>	"Wot signating and an APC-related gene specify endoderm in early c.
$\overline{z}$	olegans embryos.";
ž	cell 90:707-716(1997).
Z Y	[2]
î	SEQUENCE FROM N.A.
ž	STRAIN-BRISTOL N2;
ΚÀ	Gattung S., Le T.;
<u> </u>	Submitted (EE: 1917) to the EMER, Worden F. Minn databases.
CC	!- FUNCTION: PROBABLE DEVELOPMENTAL PROTEIN INVOLVED IN ENDORSEM
S	SPECIFICATION AND CLEAVAGE AXIS DETERMINATION.
CC	-! SUBCELLULAR LOCATION: POSSIBLY SECRETED AND ASSOCIATES WITH THE
C)	EXTRACELLULAR MATRIX.
<u>၂</u>	-! - SIMILARITY: BELONGS TO THE WAT FAMILY.
S	
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S S	between the Swiss Institute of Bicinformatics and the EMBL outstation
55	the European Bioinformatics Institute. There are no restrictions on its
5	use by non-profit institutions as long as its centeral is in no way
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¥ .	EMBL: 04/996; AAA8/3472.1;
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the European Bicinformatics Institute. There are no restrictions on its
use by non-profit institutions as long as its content is in do way
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                                        0; Caps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gray D.A., Inazawa J., Gupta K., Wong A., Ueda R., Takahashi T.;
"Elevated expression of Unph, a protorene at 3p21.3, in biman
                                                                                                                                                                                                                                                                      # HT. 1998 (Ref. 46, Last sequence update)

10 eCT.2000 (Ref. 40, Last amodation update)

11 eCT.2000 (Ref. 40, Last amodation update)

11 industrial caracteristics and action of the ST.1.2.15) (UHIQUITIN INTROLESIERASE 4) (UBIQUITIN-SPECIFIC PROFESSINE PROFEIN HOMODA)

(DEURIQUITINATING ENZYME 4) (UBIQUITOUS NUCLEAR PROFEIN HOMODA).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Frederick A., Rolle M., Chiu M.I.; "The human HNP Locus at 3p21.31 encodes two Lissue selective,
66.7%; Score 38; DB 1; Length 62; 60.0%; Pred. No. 3.9;
                                                                                                                                                                                                                                                                                                                                                                                                                            Mammalia, Eutheria, Primates; Catarrhini; Hominidae, Homo.
                                        4; Indels
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MEDLINE 95303480; PubMed=7784062;
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EMBL: AF017305; AAC27355.1; -.
EMBL: AF017306; AAC27356.1; -.
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PROSITE; PS00973; UCH_2_2; 1.
PROSITE; PS50235; UCH_2_3; 1.
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FUNCTION: NOTCH PROTEIN IS ESSENTIAL FOR PROTER DIFFERENTIALLON OF
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RESTAUSINETTSTERSSASTYSSVSASLTANODOTSTOOMB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Reliey M.R., Kidd S., Merq K.L., Young M.W.; "Restriction of Preferent insertions at the Notch leads of Drassghela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ENGURINDE 96 2605-2611 FROM N.A. MEDIJINE 86099329; FURMMED 2981541; Wharton K.A., Vodovolnick B., Prinnerty V.G., Artavanis Isakonac S.; Whorton K.A., Vodovolnick B., Prinnerty V.G., Artavanis Isakonac S.; "Impa; a tovel tamily of transcribed reposts chared by The Nobel, becase and other developmentally regulated fort in b. metanesaster.":
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Pteryqota; Neoptera; Endopteryqota; Diptera; Brachgeera; Museemerpla;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIJNE-86079544; Pubmod 4945425; Whatton K.A., Johnson K.A., Johnson K.A., Johnson K.A., Tonatho Toma the memorphic locus rodys and loss a optimary product that shapes hemotopy with proteins containing ESF like.
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Pred, No. 9.6;
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Curr. Riol. 1:120-122(1991).
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01-001-2000 (Rel. 40, Last annotation update)
NEUROGENIC LAUS NOICH PROTEIN PREPURSOR.
                                                                                                                                                                                                                                                                                                                                                                          PRT; 2704 AA
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                BY SIMILARITY
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MEDLINE 87257846; Pubmed 4047427;
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01-NoV-1986 (Rel. 03, Created)
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HSSP: Pt0740; LTXA.
FTyBase; FRQH0004647; N.
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InterPro; IPR000561; -.
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HIGH SPECIFIC ACTIVITY REDUCED 20-FOLD RY MODIFICATION OF TRP-64.
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! CATALAYTE ACTIVITY: PHOSPHATINYLCHOLINE + H(2)0 + 1-ACYLGLYCERYL-PHOSPHOTHOLINE + A PATTY ACID ANION.

! SIMILARITY: BELONGS TO THE PHOSPHOLIPASE AZ FAMILY.

PLR: A00752: PSIJTE.
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MISHIGH R415 0048; PubMed 7165712;
MISHIGH R415 0048; PubMed 7165712;
MISHIGH S4, Kim H.S., Tamiya N.;
"Amino acid septureres of three phospholipases A L, 111 and IV from the venom of the sea snake Laticanda semitasciata.",
Hiochem. J. 2077589-594 (1982).
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Lepidosantia, Squamata, Scleroglossa, Serpentes, Colubroidea,
Elapidae, Laticaudinae, Laticauda.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fakasaki C., Kuramochi H., Shimazu T., Tamiya N.,
"Correction of amino acid sequence of phospholipase A2 I from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Laticanda semitasciata (Broad-banded blue sea snake) (Frabu sea
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PROSTE: PSJ0119; PAZ_ASP; 1.
Hydrolase; Lipid degradation; Calcium; Multigene family; Venom.
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15-DEC 1998 (Ref. 37, Last annotation update)
PHOSPHOLIPASE A2 ISOZYME 1 (EC 3.1.1.4) (PHOSPHATIDYLC JOLINE
                                                                                                            Score 38; DB 1; Length 2703; Pred. No. 25; 3; Indels 1; Mismatches 3; Indels
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Toxicon 26:747-749(1988).
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01 MAR 1992 (Ref. 21, Last seqs
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Ptam; PF00058; phoslip; 1.
PRINTS; PR00389; PHPHLIPASEA2.
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Score 35; DB 1; Length 118; Pred. No. 5.2;

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Andido asid sequences of three phospholipuses A.L. ill and IV trea.
The vectom of the sea stacke Laticanda semilasciata.";
Riochem. J. 2077589-594(1982).
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Lepidosauria; Squamata; Seleroqlossa; Serpentes; Col Nacidea;
Elapidae; Laticandinae; Laticanda.
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21.0HE-1986 (Red. 01. Last sequence update)
15.0BC-1998 (Red. 27. Last annedation update)
pgespgolipasE AJ 19.0SYME 1V (92.4.11.14) (Posspgaziovich CVP).
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PROSTTE: PSOOTDE PAZ ASPELE.
Bydrolase: Lipid dequadation; Calcium: Multiquae Lumily; Veneme.
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15-DEC-1998 (Ref. 37, East annotation update)
PHOSPHOLIPASE A2 ISOCYME LLI (RY 3.1.1.4) (RESCHALISVECHEBALINE
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Mismatches
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MEDLINE 83153048; PubMed 7165712;
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21.JUL 1986 (Rel. nl. Created)
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PRINTS; PR00389; PHPHITPASEAZ.
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P00613;
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"Amino acid sequences of three phospholipases A 1, 111 and 1V from the section of the sea stake Latik and scattland.",

Horburn. J. 207589 594(1982).

FLOWING. J. 207589 594(1982).

CATALYTIC ACIVITY: PROSPHATIONINE + H(2)0 + 1 ANYIGINOBERI.

PROSPHOCHOLINE A FARY ACID ANION.

PROSPHOCHOLINE A PROSPHATIONION.
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Embrycia: Melicea, Cherdata, Cramiata, Westebrata, Extelestioni,
Jepidosauria: Squamata: Seleregiossa; Sequentes, Colubraidea,
                                                    Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Laticanda semifasciata (Broad-banded blue sea stake) (Frahu sea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Multigene family; Venom.
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                                                                   Lepidosauria, Squamata, Scieventossa, Serpentes, Colubroldea,
Elapidae, Laticaudinae, Laticauda.
NORG, FARD MORE.
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SIMILARITY.
274F9AB18EFCED3B CRC64;
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PHOSPHOLIPASE A2, TALPAXIN ALPHA CHAIN (BY 3.1.1.1.4)
(PHOSPHATIDALCHOLINE 2-ACYLHYDROLASE).
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Pred. No. 5.2;
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Eur. J. Biochem, 121.441 117(1992)
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                                                                                                                                                                            MEDITAR 8315 (048) PEDMCG 7165712;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ВУ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINTS; PROD 489; PHPHI, PASEA2.
PROSITE; PSO0118; PA2_HIS; 1.
PROSITE; PSO0119; PA2_ASP; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hydrolase, Lipid desrādation,
ACT_SITE 48 48 F
ACT_SITE 92 92 F
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50.0%;
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HSSP; P00608; IAE7.
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Rest Local Similarity
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ACYLHYDROLASE)
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This SWISS-Pkol entry is copyright, it is produced through a collaboration between the SWISS Institute of Michinformatics and the PSMI outstatous. The European Richhormatics Institute. Here are no restrictions on use by two profile institutions as long as less energy is in no energial modified and this statement is not removed. Usage by and for commercial confidence in places altered. The United STATE of the Commercial confidence is placed.
                                                                                                                                                                                                                                                                                                                      Hydrolase, Light decradation, Calcian. Presynaptic occase with Venoun Multiacne lamm\gamma_{\rm V}
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-i- punction: Taifoxin is the most rethet animal four known, the minimal statement has possessed to be spunous page Antivin.

i subcult, schiales there incovalimity betwee statements, beta, and adman, each related to phospholipase a.

-i- MISCELLANDORS INCSO IS 0.4 MG/RG BY INTRAVENCYS INJECTION, PER, ASOCIAL AND CANDORS IO THE PHOSPHOLIPASE AZ PAMILY. BELONGS TO THE PHOSPHOLIPASE AZ PAMILY.
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Biochim. Biophys. Acta 1354:1-6(1997).
FUNCION. THE 263 PROTEACH IN TWO WED IN THE ACT GLEENBAN PERSONAL ACTIVATION OF PROTEINED FROM THE SHELL SHOULD BY ( F. ALTASH CHREIX CONFINED APPROPRIATION AND SUBSTRATE SHOULD BY INTERACTION OF THE 26S COMPLEX (BY SIMILARITY).
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Bukaryota: Metazoa; Chordata; Craniata; Vestobrata: Eufeleostomi;
Amphibia; Batrachia; Anura; Mesobattacida: Pipoidea: Pipidae:
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SUBCHLICLAR GREATEN, CYTGHACHES AND MELLER (F. LENTAL).
SIMILARITY, BELGNGS TO THE AAA FAMILY OF ALPASES.
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7PAPD5D061105C03 CRC64;
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15-Jul 1998 [Rel. 36, Created)
15-Jul-1998 [Rel. 36, Last sequence update)
15-DEC-1998 [Rel. 37, Last_annotation update
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O; Mismatches
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MEDLINE-98041530; PubMed-9375782;
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INTERPOTE IPPCHIANTE: 1
Priant PF00668: Phostlip: 1.
PRINTS: PROCESS: PHUBLEAGIAS.
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HIV GENE, THEREBY THILDENCING GENE EXTRECOLOR IN EACH CHECKTORIS.
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SHENELLIJARA LOCATION. CYTOTIASSHIC AND MICLEAR (POTENTIAL).
SINCTELLIJAR LOCATION. CYTOTIASSHIC AND MICLEAR (POTENTIAL).
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"A clond for a protein that interacts with the human immunodeficiency
brins Tat transactivator."
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15-DEC-1998 (Rel. 37, Last annotation update)
268 PROFEASE RECULATORY SUBUNIT 6A (TAT-BINDING PROFEIN 1) (THP-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "The type I human immunodeficiency virus Tal binding protein is a transcriptional agriculture deletion and additional lamily of evolutionarily conserved genes".

Proc. Natl. Acad. Sci. 0.S.A. 90:138-142(1993).
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FUNCTION: INTERACTS WITH THE HUMAN IMMUNOBELICIESCY VINES TAT
IKANSACTIVATOR. SPECIFICALLY SUPPRESSIS TAT MIDIATIES
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Eukaryota: Mctazoa: Chordata: Craniata: Vertebrata; Euleleostomi;
Mammalia: Eutheria: Primates: Catarrhini: Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDITHE 04126429; PubMed 8419915;
Obana B., Moore P.A., Ruben S.M., Southgato C.D., Grown M.E.,
                                                                                                                                                                                                              61.4%; Score 35; DB 1; Length 404; 50.0%; Pred. No. 16;
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404 AA; 45276 MW; PC988BBBDCEFC2E3 CRC64;
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or send an email to licensewish-sib.ch).
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01 NOV 1995 (Rel. 32, Last sequ
                                   EMBL; Y10460; CAA71486.1; -.
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                                                                        Plans PP00004; AAA; 1.
PROSITE: PS00674; AAA; 1.
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This SWISS-PROLEMARY is copyright. It is preduced through a self-about a
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between the Swiss Histitute of Broinformaties and the LMES cretation
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              the Buropean Richitornaties Institute. There are to trestrictoes of use by non-profit institutions as conditions its eatest of its no modified and this statement is not removed. Usage, by and for commercentifies requires a license agreement (See Miley/Xwww cut of a street or send an email to license disposible).
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CHROHALM A DAVICE H. O'THER MAY AND ADVICE (FOREINT).
-1-SHMIARTER BELOWS TO THE AGAIN OF ADARDS.
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K. HE LOGS OF FOWELDA.
D. AE LOSS OF FUNCTION.
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NP_BIND 227 Z+4 ALP (Petent)
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Piekis P., Pellisar II b., Trase 1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDI,INE 96183075; PubMed 8607789;
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01-NOV-1997 (Ref., 3%, Created)
01-NOV-1997 (Ref., 3%, Last Septi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                439 AA; GRIB MW;
                                                                                                                                                                                      EMBL; M34079; AAA36666.1;
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PROSIIE; PS00674; AAA: 1.
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use by non-profit institutions as long as its content is in no way madified and this statement is not removed. Usage by and for commercial entitles requires a \infty-cuse after fort \alpha or 0.11 \pm 0.888 of of the arm or or send an email to licensewish sib.(ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vikkula M., Boon L.M., Carraway K.L. III, Calvert J.T., Diamonti A.J.,
Gommersw B., Basyk K.A., Marshik D.A., Wapsen M.L., Can'ley L.C.,
Mulliken J.R., Olse B.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Allolic and locus heterogeneity in Educified Tensional mallorast", how well occurs in 1279-1289(1999).

1. FORETION THIS PROTEIN IS A PROTEIN TYROSTHE KINASH TEANSHERBARH RECEPTOR FOR ANGLOPHETIN 1. IT MAY CONSTITUTE THE BASIS DESIGNATION MAMMALIAN ENDYTHELIAL CELL LINEAGE MARKER, FROBARHY WESSIAFES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Elegier S.F., Bird L.A., Schneringer J.A., Schwolcy K.A., Banm B.R.; "Molecular cloning and characterization of a novel receptor protein tyresian kinase from human placenta.", one when 8:663-670(1993).
                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01 PER 1994 (Rel. 28, Created)
01 PER 1994 (Rel. 28, Last sequence update)
01-off 2000 (Rel. 40, Last annotation update)
ANGIOPOLIAN I RECEPTOR PREDINCAR (EC 2.7.1.112) (TYROSIME PROTEIN
KINALE BURITOR ELE 2) (TYROSIME PROTEIN FIRMSE BURIT (FIRST FIRMS)
FER) (FUNIOA INTERNA EMENCHELIAL CHEL KINASE).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'Vascular dysmorphogenesis caused by an activating mutation in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENEXTHELIAL CELL PROLIFERATION, DIFFERENTIATION AND GUIDES THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PROPER PATTERNING OF ENDOINELIAL CELLS DURING BLOOD VESSEL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIJNE 9929943, physical 0269874; calvert J.E., Riney T.J., Kontos C.D., Cha E.B., Prieto V.G., Shea C.R., Rera J.M., Revin M.C., Simpson S.A., Dasyk E.A., Sperr M.C., Peters A.G., Marchuk M.C., Sherr M.C., Peters A.G., Marchuk M.C., Sherr M.C., Peters A.G., Marchuk M. Sherritted Jensen P.M. P. P. Allolie and Johns heterogeneity in Educated Jensen P.M. P. P.
                                                                                 EMBL; 18 5.2.
EMBL; 177918; AAD.;
C InterPro; 1PR001979; -.
R Plan; PR0004; AAA; 1.
AR PROSITE: PS00674; AAA; 1.
KW Proteusome; ATP binding; Nuclear protein.
SE HIND: 2.7. 2.34 AIF (FGLERTAL).
SE HIND: 2.7. 2.34 AIF (FGLERTAL).
SE HIND: 3.7. AIR REF. 2).
                                                                                                                                                                                                                                                                                                                             61.4%; Score 35; DB 1; Length 439; 50.0%; Pred. No. 18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE 97134665; PubMcd-8980225;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDILINE 93173509; PubMed 8382358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    receptor tyrosine kinase TIE2.";
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Best Local Similarity 50.05
'so 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
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ALE SECTION

CATALYTIC ACTIVITY: ALE + A PROTEIN TYROSIKII

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the European Moinformatics institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and to: commercial entities requires a located data most of the library of send an email to licenseels sib.oh).
                                                                                                                                                                                                                                                                                                                                                                                                                                                               This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Biointermalies and the EMBL outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PEINTS, PRO0109, PARKINASE, PROSTER, ENOUGY, PROTEIN KINASE ATP: 1.
PROSTIE; PS00109; PROTEIN_KINASE_TYR: 1.
PROSTIE; PS00102; RGF_1: 3.
PROSTIE; PS001186; RGF_1: 3.
PROSTIE; RGF_1: 3.
PROSTIE; RGF_1: 4.
PROSTI
                STRUCTIONARY TO THE TABLE I MEMPRANE PROTEIN.

1730E STRUCTURA PERFORMANTY TORBEST TO THE THOUGHT TO THE SAUD THEIR ENGINE AND THEIR ENGAGENITORS, THE ANGIOTHASTE, HAS BEEN DIBETTLY POUND IN PLACENTA AND LUNG, WITH A LOWER LEVEL IN UNBILLICAL VEIN ENDOTHELIAL CELLS, BRAIN AND KIDNEY.

BY SEASE: DEFECTS IN TIEZ ARE A CAUSE OF DOMINANTLY INHERITED VENOUS MALIORMATICALS (VACAL), AN TENCR OF VACULAR MORPHOGENESIS CHARRATERIZED BY DILAYED, SERPIGINGS CHANNELS.

SIMILARITY: 10 OTHER PROTEIN-TYPOSINE KINASES IN THE CATALYTIC
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LINKED (GLONAC. . .) (POTENTIAL).
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N-LINKED (SHONAC) (COSENTIAL).
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                                                                                                                                                                                                                                                                                                                                       SIMILARITY, LUMTAINS 2 IMMUNOCHERITM LIKE CZ-TYPE DOMAINS.
SIMILARITY: CONTAINS 3 FIBRONECTIN TYPE III-LIKE DOMAINS.
SIMILARITY: CONTAINS 3 FORF-LIKE DOMAINS.
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N-LIMET (SICHAL . . . )
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FIBRONECTIN TYPE 1111.
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-1- FISSUE SPECIFICATIV. STRUIFICALLY EXPRESSED IN SEVELATION VASCULAR
EMERGERALAR AND AND THE
                                                                                                                                                                                                                or Caps
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01-oct 2000 (Rel. 40, Last annotation update)
ANGIOPOFETIN ERECEPTOR PRECUESOR (ED. 2.7.1.112) (TYR CLEEP PROTEIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi;
Mammalia; Eutheria; Cetartiodaetyla; Ruminantia; Peceta; Bovoidea;
Bovidae; Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ! CATALYTIC ACTIVITY: ATP + A PROTEIN TYROSINE - ADP + PROTEIN
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SIMILARITY: CONTAINS 3 FIRECHESTIN TYPE 111 LIKE POHALES.
SIMILARITY: CONTAINS 3 EGF-LIKE DOMAINS.
                                                                                                                                         the la newark lists
                                                                                                                                                                                                                3; Indels
ZETTA VAR_000716, SEQUENCE 1124 AA; 125810 AW; 658005018FA40CEC CRC41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT; 1125 AA.
                                                                                                                                                                                                                1; Mismatches
                                                                                                                                                                              Pred. No. 43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    or send an email to licenseast sib.ch).
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                                                                                                                                         51.4%; Score 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-FEB-1995 (Rel. 31, Created)
                                                                                                                                                                              60.0%;
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PRINTS; PRODIO9; TYRKINASE.
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                                                                                                                                                                                                                6; Conservative
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PEK OR TIE2 OR TIE-2.
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HSSP; P11462, 1F01,
InterPro, 1PR009561;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPros IPR000719; AuterPros IPR001245;
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This SWISS-PROT only is copyright. If is produced this subject consistent in the SWESS institute of behindround bus in a fact the TWEST consistent in the baropean Robintonnaties institute. There are no costructions on it use by non-profit institutions as form as its valent of it is no say, muchined and this safered is not removed. Usage by and bus subjectifies the profit institution of the consecution of the profit is not consecutive.
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.) (P FENTIAL)
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Mammalia; Eufheria; Cetarliedaetyja; Suina; Seadae: Fiss.
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FUNCTION: NERVE GROWTH FACTOR IS IMPORTANT FOR THE DEPENDENT AND
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MEDLINE 86300647; PubMed-2427334;
Meier R., Becker-Andre M., Golz R., Heumann R., Shaw A., Thoenen H.;
"Molecular cloning of bovine and chick nerve growth factor (NGF):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryola; Merazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             relationship to the biological activity and antiqemicity of NGF.";
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                                                                                                                                                                                                               HY SIMITARITY.
N-LINKED (GL'NAC. ...) (PUTENTIAL).
N-LINKED (GL'NAC. ...) (POTENTIAL).
N-LINKED (GL'NAC. ...) (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Assignment of the beta-merve growth factor (NGFB) to bovine chromosome 4 band q24 by in situ hybridization.";
Cytogenet: Cell Genet, 77:306-307(1997).
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                                                                                                                                                                                                                                                                                                                               59.68; Score 34; DB 1; Length 229;
87.58; Pred. No. 15;
atlve 0; Mismatches 1; Indeis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              delineation of conserved and unconserved domains and their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NGF_HOVIN STANDARD: PRI; 231 AA. P18600; c18869; c18869; c1846-13, Created) 15 JUL-1998 (Rel. 36, Last sequence update) 15 JUL-1998 (Rel. 36, Last annotation update) HPTA-NERVE GROWTH PACTOR PRECURSOR (BETA-NGF) (FRAGMENT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SHRUNIT: HOMODIMER, ASSOCIATED BY NONCOVALENT FORCIES. SIMILARITY: BELANGS TO THE NGF-BETA FAMILY.
                                                                                                                                                                                                                                                                                  FE88907710BA3189 CR064;
                                                                                                                                                                    BETA-NERVE GROWTH FACTOR.
                                                                                                                                                                                  BY SIMILARIFY.
                                                                                                                                                                                                   BY SIMILARITY.
                                                                                                                                                    BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDITINE 97430845; PubMed=9284944;
                                                                                                                                                                                                                                                                                  25275 MW:
                                                              PROSITE: PS00248: NGF_1: 1.
PROSITE: PS50270: NGF_2: 1.
EMBL: Litters, AAAzitel...
                                                                                                                                                                                                                                                                                                                                                                Conservative
                                 InterPro; IPR002072; -.
                                                                                                                                                                  229
189
                                                                                                                                                601
                                                Ptam; PF00243; NGF; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bovidae: Bovinae: Bos.
                                                                                              Growth factor; Signal,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bos taurus (Bovine).
                                                                                                                                                                                                                                                                                229 AA;
                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 7: Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
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                                                                                                                                                                                124
167
177
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                                                                                                                                                                                                                                                                                                                                                                                                  2 APDIKGAE 9
               HSSP; P01139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TISSUE Blood;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zaraqoza P.;
                                                                                                                                                                                                                                                                                                                             Query Mateh
                                                                                                                                                                              DISHEFID
                                                                                                                                                                                                DISULPID
                                                                                                                                                                                                                   CARBOHYD
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                                                                                                                                                                                                                                                                  CARBURYD
                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                                               NON TER
                                                                                                                                                PROPER
                                                                                                                                 SIGNAL.
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institutes. There are no restrictions on its use by non-profit institutions at a formatic or is in no way modified and this statement is not removed. Usage by and for commercial

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7 + 40 - 1 to 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FUNCTION: NEXVE GROWTH FACTOR IS IMPORTANT FOR THE DEVELOPMENT AND MAINTENANCE OF THE SYMPATHETIC AND SENSORY NEXVOUS SYSTEMS, IT STIMULATES DIVISION AND DIFFERENTIATION OF SYMPATHETIC AND
                                                                                                                                                                                                                                                                                                                                                                                                   SdPD 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Carriero F., Campioni M., Cardinali B., Pierandrei-Amaldi P.;
"Structure and expression of the nerve growth factor wene in Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xenopus laevis (African clawed frog).
Bukaryota: Metasca, Chordata, Craniata Vertebrata: mateleostomi:
Amphibla; Batrachia: Anura; Mesobatrachia; Pipoldea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE-9122573; PubMed 2025430;
Hallbocock F., Ibanez C.F., Persson H.;
"Evolutionary studies of the nerge growth factor family reveal a
nevel member abundantly expressed in Xenopus ovary.";
                                                                                                                                                                                                                                                                      . .) (FOTENTIAL).
    1.5 1. vvv
                                                                                                                                                                                                                                                                                                                                                                  59.6%; Score 34; DR I; Lenath 231; 87.5%; Pred. No. 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUBUNIT: BOMODIMER, ASSOCIATED BY NONTOVALENT FORCES. SIMILARITY: BELONGS TO THE NGF-BETA FAMILY.
                                                                                                                                                                                                                                                                                                           AP -> RÅ (IN REF. 2).
- 01605099291A418C CRC64;
                                                                                                                                                                                                            BETA MERVE GROWTH FACTOR. BY SIMILARITY.
                                                                                                                                                                                                                                      15-DEC-1998 (Rel. 18, Created)
15-DEC-1998 (Rel. 37, Last sequence update)
15-DEC-1998 (Rel. 37, Last annotation update)
                                                                                                                                                                                                 BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT; 231 AA.
                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
             or send an email to licensewish-sib.ch).
                                                                                                                                                                                   POTENTIAL
obtitios requires a libease amesent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NERVE GROWTH FACTOR PRECURSOR (NGF).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dev. 29.313 322(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=91362944; PubMed=1888511;
                                                                                                                                                                                                                                                                                                                          25437 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBRYONIC SENSORY NEURONS.
                                        EMBL; Y09566; CAA70759.1; -. EMBL; M26809; AAA30666.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE OF 170-211 FROM N.A.
                                                                                            InterPro; ITRE:2072; --
Pfam; PP0024; MGF; I.
PROSITE; PS00248; NGF_1; I.
PROSITE; PS50270; NGF_2; I.
                                                                                                                                                                                                                                                                                                                                                                                               7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
                                                                                                                                                                                              1111
231
191
219
                                                                                                                                                                                                                                                    221
156
118
                                                                                                                                                     Growth factor; Signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Neuron 6:845-858(1991)
                                                                    PIR; A26312; A26312.
HSSP; P01139; 1410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Xenopodinae; Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cocytes and embryos.
                                                                                                                                                                                                                                                                                                                         231 AA.
                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   139 ATDIKGKE 146
                                                                                                                                                                                                                                                                                             161
230
                                                                                                                                                                                                                                                                                                                                                                                                                         2 ATDIKGAE 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peprod.
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P21617;
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| Use by non-profit institutions as long as its content is in no way commodified and this statement is not removed. Usage by and for commercial content is content is not removed. Usage by and for commercial content and an email to licenses alreaded. Usage by and for commercial content and an email to licenses is proved. Usage by and for commercial content and an email to licenses is proved. Use the content is used to content and conte
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Search completed: August 30, 2001, 16:32:00 Job time: 58 sec

141 APDIKCKE 148

2 ATESTACAE 9

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Agnote, the reaction is strongly enhanced when the phospholipid is condensed into a monoperiumily; phospholipase A2 objection of the condensed into a monoperiumily; phospholipase A2 objection is a substituted to the condense of the conden
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E.Retherk, D., P.J., Porkins, A.: Besen, C.A.
Science 248, 1650-1653, 1990
APRILLE: A cDNA for a profeso that interacts with the feman immensaledicionery zirus to A;Reference number: A34832; MUID:90302011
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Cjämperfümily: Alb:dspendent 26g proteinsse: Premyarchaydrada type Alb-bindina domain
Cj&eywords: ATP; nucleotide binding; P-boop
                                                                                                                          C:Accession: A00754
B:Lind, P.: Eaker, D.
Fur. J. Biochem. 124, 441-447, 1982
A:Title: Amino acid schience of the alpha-subunit of taipoxin, an extremely potent praceference number: A00754; MOID:82261658
A:Accession: A00754
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              phospholipase A2 (FC 1.1.4) taipoxis alpha chain. Australian taipan NyAliornate names: phosphatidyldholline 2-avyllydholase. Oxyuranus seutellatus (Australian taipan). C.Species: Oxyuranus seutellatus seutellatus (Australian taipan). C.Date. 14 Hov-1997 #scquenco_resision 11-New-1993 #scwt_change 28-Feb-1992.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C)Species: Homo sarions (man)
C)Fate: 26 Jul-1990 #sequence_revision 20 Jul-1990 #fext_change 19 Jun-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61,4%; Score 45; DB 1; Length 113; 60 0%; Pred No. 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61.4%; Score 45; DR 1; Length i18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred, No. 16;
3; Mismatches
                                                      A; Note: Trp 64 is important to enzyme activity
A:Contents: annotation: specific activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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Matches 5; Cuservative
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A;Residues: 1-119 cLIN
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                                                                                        Approach plant, cutalyses hydrolysis of 1,2-diaryl-sm-alycero-t-phosphocholine to 1-acyl-Asmotor the reaction is strongly enhanced when the phospholipid is condensed into a mice observationally; phospholipase Asmotor the phospholipid section is strongly enhanced when the phospholipid is condensed into a mice of several cutoxylic ester hydrolase, lipid degradal ion, metallophotolin, prospectively formulases and the phospholipid into a factors, prospection as the mice of a modellase political prospection of the prospection of the prospection of the prospection is a production by the May 92/Active site; the astatus predicted
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Hiochem. J. 207, 589-594, 1881
ATTHIE: Amino acid sequences of three phospholipases A 1, III and IV from the venom of
A;Ketterence number: A90316; MUID:83153048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;fitle: Correction of amino acid sequence of phospholipase A 2 i from the venom of Lat.
A;Reference number: A94425; MUID:89044898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Aritte: Amino acid sequences of three phospholipases A i, lil and IV from the versam of
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MALFernate names: phosphatidylcholime 2-acylhydrolase
Systemies, Latinanda semilaaviata (broad Banded Eluc sea Ernit, crabu sea chake)
Cybrie: 02 Apr 1982 #sequence revision 31 bec 1989 #text.chande 28:reb-1997
Cybression: A94325, A00752; A30821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       phospholipase A2 (EC 3.1.1.4) IV - broad-banded blue sea krait
NiAltornate names: phosphatidylchblade z acylhydrolase
C;Species: Laticanda seminlaseiata (broad-banded blue sea kiuli, etabu sea snake)
C;Date: 31-Mar 1992 #sequence_revision 31 Mar-1992 #lext_cbanne 22-Feb-1997
C;Accession: A90316, A00753
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61.4%; Score 35; DB 1; Length 118; 50.0%; Pred. No. 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2, Indels
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Foxicon 26, 747-749, 1988
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Riochem, J. 207, 589-594, 1982
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Matches 5; Conservative
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A;Residues: 1-118 -1AK>
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Host Local Similarity
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                        A; Residues: 1-118 <NIS>
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                                                                                                                                                            C; Accession: T22944
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CSuperlamily: ATP dependent 268 profeinase: FESH/SBC18/37/348 t.ps. ATP-binding domain be
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Aptrosa references; EMBL:AF067618; PTDN:AAC19196.11; GSF94GGN000070; cPSP.:F5691.4
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A, Cross references: EMBL: 249886, FIDN: CAA90454 i; GSPDR: GND-420; CESP-CMAAL.4
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C'Epate: 29 oct 1999 #sequence Levision 29-net-1999 #fext_champe 31_Lan-2000
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C)Species: Caenorhabditis elegans
C)Date: [5 oct.1999_#scpmcn_les]sp...[ c.4 ]box #co... | c.5
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                                                                                       61.4%; Score 35; DR 2; Length, 404; 50.0%; Pred. No. 48;
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60.0%; Prod. No. Let02;
five 1; Mismatches 3; Indels
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                                                                                                                                      4, Indels
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Asketerence number: Z21293
                       E:192 199/Region: nucleotide binding motif A (P loop)
                                                                                                                                                                                                                                                                                                                                           hypothetical protein F5681.4 Caenorhabditis elegans
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A:Molecule type: DNA
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A; Accession: Z18024
A; Status: preliminary: translated (rem em,TMB), 34 EC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     submitted to the BMBL Data Library, May 1988
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Matches 5; Conservative
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Matches 5, conservative
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A;Introns: 221,0
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Richen, X.; Chand, M.; Water B.; Wh. B.
Plant J. H., 484-371, 2942
Aptitle; Choring of a Pa(x*) Affase generand the relevance cytes and the fitter Affase and Affase and Affase number: 21525; Millier/Zénerz
A, Accession: 104122
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Cybale: 23 April909 Mangement residiem (P.April909 Miey) etune (P.Magilion
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F1610-784/Assumation APPsec tracted the binding domain bear out; AIN).
F1755-776/Assumation calcium bidding Estatus producted (AX).
F1755-776/Assumation calcium bidding Estatus producted (AX).
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A, Residaes: 1-1948 - CHF
A, Cross-reterences: EMBC1092966; NID:q219e713: 131 N:AAB' @ C
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F.236-236/Nomain; calcium binding Estatus predictor (A.).
F.277-39/Nomain; calcium binding Estatus predictor (A.).
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hypothetical protein PSedill - Camerorhanditis eiegani
                                                                                                                                                                                                                                                                                                                                   submitted to the EMES Gata illiarry. Nevenber 1999
A.Reterence number: 21963
A.Recession: 12293
A.Status: perlaminarry: franslated from GB/EMEL/DES
A.Medleeure type: HNA
A.Retsidues: 1965 - WIL.
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Frad. No. Teruz:
); Mismatches
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As the process of the phosphorylation of a poptidyl typosine residue by ATP As Prescription: catalyzes the phosphorylation of a poptidyl typosine residue by ATP As Prescription: catalyzes the phosphorylation and the second of 
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Annouene W. 664 A.70, 1994
A.Fille: Molecular cloning and characterization of a novel receptor protein tyrosine kin
A.Reterence number: 158488; MülD:93173509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E:840-838/Keqion: protein kinase ATP-bindinq motif
E:140,158, 99,438,464,560,596,449,691/Rindinq site: carbohydrate (Asn) (covalent) #statt
E:895,872,994/Active site: Lys, Glu, Asp #status predicted
protein-tyresing kinaac (EC 2.7.1.112), recepter type tek precursor - human c.Species: Bomo sapiens (man)
C.Date: 02.Jul-1996 #sequence_revision 02-Jul-1996 #rext_change 16-Jul-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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A.Molecule type: mRNA
A.Festidues: 1-1124 <RESS
A.Cross-references: GB:L06139; NID:q292823; PiDN:AAA61129.1; PHD:q292824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E:442 522/Nemnin: Tikronetin type III repeat hamology sENNA E:42.625/Nemnin: Tikronetin type III repeat hamology sENNA E:42.742/Nemnin: Tikronetin type III repeat hamology sTR3E E:54.272/Nemnin: Tikronetin type III repeat hamology sTR3E E:52.272/Nemnin: Transmembrane Estatins predicted sINNS E:822-1000/Aswmin: protein Pinase bymedeny .KIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ajdene: CDB:TEK
Ajdross:references; CDB:344185; OMIM:600221
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |||| || || :|
289 CATGWRGLQC 298
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                                                                                                                                                                                                              C:Accession: 158488
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GenCore version 4.5 Gopyright (c) 1993 - 2000 Compugen Ltd.
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OM protein - protein search, using sw model

August 30, 2001, 16:31:02 ; Search time 12.26 seconds (Without alignments) 16.795 Million cell updates/sec Run on:

US-09-018-194-9 57 Perfect score:

1 CATDIKGAEC 10 Sequence:

Gapop 10.0 , Gapext 0.5 BLOSUM62 Scoring table:

197339 seqs, 20590346 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Issued\_Patents\_AA:\* Database :

1. Sent of the data of a postal data property of the following propert

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

		÷				
Result		Query				
Š	Score	Match	Match Length	DB	110	Description
	87	66.7	2703	-	US-08-185 432 19	Seductive 19. April
?	\$6	61.4	1124	-	US-08-323-474-2	
~	3.5	61.4	1124	ľ	PCT-US93-06093-2	N
4	14	59.6	'n	æ,	US-08 696 Br4B.C	L'i
Ľ	3.4	59.6	10	~		Sequence 2, Appli
ç	14	59.6	12	-	US-07-847-369·1	, '
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Œ	3.4	59.6	2		US-08-300 044 1	_
5	**	5.9.6	12	_	US-08-300-044-2	٥.
<u> </u>	*4	59.6	119	~:	US-08-753-642-2	Sequence 2, Appli
=	*4	59.6	120	_	US-07-979-630-1	_
7 1	*4	59.6	120		US-08-440-049-1	Sequence 1, Appli
, .	*4	9.65	1.20	۰.	US-08-440-019 3	-,-
	14	59.6	120	~	US-08-441-513A-1	
S	**	59.6	120	~	US-08-441-513A-3	Ψ,
9.	*4	59.6	120	<u>~</u>	US-08-970-865-2	5,
1.7	<b>*4</b>	59.6	1.20	~	US-08-970-865-3	~
Ξ.	3.4	59.6	120	œ	US-08-581-662-31	Sequence 31, Appl
<u> </u>	14	9.69	120	4	US-09-463-573-2	~
20	44	59.6	120	4	US-09-363-573-3	÷
2.1	14	9.69	1.20	Ľ	PCT-US93-11292-1	1,
77	*4	9.4.6	120	ın.	PCT-US95-06918-1	_
2.4	14	9.5c	120	S	PCT-US95-06918-3	7
24	, .	9.65	142		08 08-451-947-52	Sequence 52, Appl
5.7	\$4	54.6	142	5.1	US-08-424 826A 52	6 à
26	*4	39.6	142	~	US-08-928-694:52	Sequence 52, Appl
7.7	*4	59.6	142	LC.	PCT-US91-06950-52	ci u

Sequence 4, Appl	Se producte 5, April	Sectionary 5, April	Separation 75, Apr.	Sequence 1, Appl	Sequence 7, April	Sequence 1, April	Sequence 5, April	Section 4, Appl	Sequence 11. Apr.	Sequence 14, App.	Sequence 15, Apr.		Sequence 4, Appl.	Seatherner 4, Appl.	÷		-
			US:08 '95 043A 75				Ľ		PCT-11592-00282-11	PCT-US92 0.1282-13	PCT - US 42 - 0 0 282 - 15	US-09 191 146 42	PrT-US92-00282-4	US-08-E50-548-4	US-08 846 620A-4	ç	08:08 435 085F 93:
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#### ALLGNMENTS

RESULT 1  US-08-185-432-19  US-08-185-432-19  Factor No. 575052  CORREAL INFORMATION: APPLICANT Activation US/08185432  Factor No. 575052  CORREAD Activation of the Americas Activation Article of Ar	25 25
TELEX: 66141 PENNIE	
. TELLIVAX. (212) 869-8354/9741	
, TELLITAX, (212) 869-8364/9741	
, TELLITAX. (212) 869-8364/9741	
7 TELEPHONE: (212) 790-9000	
TELEXCHAINTED TO THE OWN TION:	
TADE PARTNERS OF THE ACCOUNT OF THE STATE OF	
9:00 - 9:05 2	
; REGISTRATION NUMBER: 18,872	
; NAME: Misrock, S. Leslie	
, ATTORNEY/AGENT INFORMATION:	
; CLASSIFICATION: 530	
) FILING DATE: 21-JAN-1994	
, APPLICATION NUMBER, U3/08/185,4/2	
; CURRENT APPLICATION DAFA:	
ease #1.0, Version #1.	
) OPEKATING SYSTEM: FC-FOS/MS-DOS	
; COMPUTER: IBM PC compatible	
7 MEDIUM TYPE: Floppy disk	
COMPUTER READABLE FORM:	
; 21P: 10036-2711	
; COUNTRY: U.S.A.	
STATE: New York	
: CITY: New York	
; STREET: 1155 Avenue of the Americas	
ADDRESSEE: PENNIE & EDMONDS	
; CORRESPONDENCE ADDRESS:	
GOMBER OF SECULACES: 23	
ANTER LEES, AMORADA MARIEMA AND THE COLOR	y.
TELLIEN PROTEINS AUCTOR AND AMP	
. unvderrich, Kobert	
; GENERAL INFORMATION:	
; Patent No. 5750652	
; Sequence 19, Application US/08185432	
US-08-185-432-19	
RESULT 1	

sales () Query Match 66.7%, Novie 18: 108 1: Loruth 2703; Best Local Similarity 60.0%, Fred. No. 16:02; Matches 6: Conservative I, Mismatches 3: Indels

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REGISTINATION NOMBER: 26,742 TELECOMMENTER: CASSIMALION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seese, Kathryn A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 1124 amino acto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) Molleoule TYPE: protein
PCT-HS94 (no93-2)
                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DAIA:
APPLICATION NUMBER: 1
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CORRESPONDENCE ADDRESS:
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MEDITIM LYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPELICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ziegler, Steven F.
11TLE OF INVENTION: NOVEL TYROSINE KINASE
NUMBER OF SEQUENTES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Fiegler, Steven F.
1111E of INVENTION: NOVEL TYROSINE KINASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 07/905,600 FILLING DATE: 26 JUN 1992
ATPORNEY/APENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11;17087323,474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk computible computible operating system: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          September 2. Application PC/TDS9306093 (JENERAL INFERMATION).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSP: Immunox Corporation
STREET: 91 University Street
CITY: Scattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Immunex Corporation
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                                                                                                                                                                                                                                                                                 US-08-323-474-2
; Sequence 2, Application US/08323474
; Fatent No. 5442860
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LENGIH: 1124 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER, 1907
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NOMBOR OF SEQUENCES: (CORRESPONDENCE ADDRESS);
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                                                                                              437 CATGYROVEC 446
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    1 CATIVIKGAEC 10
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APPLICANT: Zieglei
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STREET; St.,
TV Scattle
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VERETOR: MERVE GROWTH PACTOR (STRUCTERAL ANALOS)
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Gradual Similarity Coron, Fred. No. 1.400 at
Matches 6; Yousertablice 1. Mismatches 1. D.P.:
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STREET: Confiberdal Plaza, 411 Harkonsark Azonor
                                      COMPUTER: TRM PETSONFOLD COMPUTER: TRM PETSONFOLD SOFTWARE: FOLDING PETCONSOL #1.0, VOISION #1.45. SOFTWARE: FOLDING PATE FOLDING PETSONFOLD POSCOLO FILLING DATE: 1995-04.5
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URBERT APPLIATE DATA:
ALLEGATIN ASSETS: Tyleysedby
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COMPUTER: THM PY COMPATITION
OPERATING SYSTEM: PY LOSZMS LOS
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APPLICANT: SARAGOVI, ULL H.
APPLICANT: LeSAULEDR, Lynno
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ATTORNEY/AGENT INFORMATION:
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ATTORNIY/ASHRE INFORMATION:
Fishing disk
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AMINO ACID
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TOPOLOGY
      US-08-696-854B-2
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US-07-847-369-1
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LOTATION: one-of (1, 10)
OTHER INFORMATION: /mote- "Man is any uncharged amino acid
OTHER INFORMATION: or hydropathic amino acid"
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APPLICANT: LeSAUFEUR, Lynne
APPLICANT: CUELLO, claudio A.
TITLE OF INVENTION: NEXUE GROWTH PACTOR STRUCTUPAL ANALOGS
FITTLE OF TWENTION: AND THEIR USES
NUMBER OF SROUENCES: 23
                                                                                                                                                                                                                                                              Query Match 59.6%; Score 34; DB 3; Leugth 9; Best Local Similarity 87.5%; Pred. No. 1.5cr05; Matches 7; Conservative 0; Mismatches 1; Ledelo
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STREET: Continental Plaza, 411 Hackensack Avenue
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PRIOR APPLICATION DATA:
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FILING DATE: 07-FEB-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: GB 9402331.4
FILLING DATE: 07-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: JACKTOR, DATES A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPENATIGG SYSTEM: PC 1555/MS DUS
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Patent No. 6017878
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TELEFAX: (201) 343-1684
TELEX: 134521
INFORMATION FOR SEQ 1D NO: 2:
SEQUENCE CHARACTERISTICS:
(201) 487-5800
                     TELEFAX: (201) 343-1684
FEBLEX: 184521
INFORMATION FOR SED 1D NO: 5:
SEQUENTE CHARATERISTICS:
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                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
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59.68; Score 34; DB 4; Length 12; 85.7%; Pred. No. 1.9;
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                                         1: Indols
                                                                                                                                                                                                                                                                                          Forsson, Hakan B. et al.
WENTEN: Neurotrophic Enctors Havina Altered
WENTEN: Receptor Binding Specificities
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TITLE OF INVENTION. Neufolfrophic Partiers Having Altered
TITLE OF INVENTION. Receptor Binding Specificities
HIMBE OF SEQUENCES: 6
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APPLICATION NUMBER: 05/07/947,369
FILING DATE: 19920306
                                                                                                                                                                                                                                                                                                                                                                                                  Foremeron Pharmaceuticals, Inc. 2 of Saw Mill River Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Kemple: Gail N./Mistock S. Leslie
REGISTEATH-A EDHER. 25,143/18,872
PRITERNES, STELL UNMERE: 4526-097
TELECOMMUNICATION:
                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: 1BM PC compatible
OPERATING SYSIEM: FG-LOS/MS-FOS
                                                                                                                                                                                                                            Sequence 1, Application US/07847369
Patent No. 5349055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 2, Application US/07847369
; Patent No. 5345055
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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Query Match
Best Local Similarity 85.73
Matches 6; Carservative
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                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NOUTITLE OF INVENTION: RECONDINGER OF SEQUENCES: 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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STATE: New York
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                                                                                                                                                                                                                                                                         GENERAL INFORMALLON:
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                                                                               4 DIRGAEC .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE:
                                                                                                       3 DIKGKEC 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FITTLE OF INVENTION. Receptor Bliding Specification NUMBER OF SECUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPOTER READANLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: HW COMPATIBLE
OPERATING SYSTEM: PC-LOS/MS-DOS
SOFTWARE: PatentIn Rolease #1.0, Version #1.25
                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
CHARLIANTION NUMBER: US/07/847,369
FILLIN: DATE: 19920306
Regeneron Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4: Reqeneron Pharmaceuticals, Inc.
777 Old Saw Mill Eiler Boad
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REGISTRATION NUMBER: 82,142/18,872
REFERENCE/DOCKET NUMBER: 6526-097
                                                                                                                                                                                                                                                                                        CLASSIPICATION: 530
ATTOPHIE'AST THE THEORATION.
NAME: Kempler, Gail M./Misrock, S. Leslie
             STREET: 777 old Saw Mill River Road (TIY: Farrytown
                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 32,143/18,872
PEPEPENTLYOVEN NUMBER: 6526-097
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914 347-7000
TELEFAX: 914 347-2113
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N: 530
N: 530
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                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5705617
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APPORNEY/AGENT INFORMATION.
                                                                                                                                              Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: poptide
                                                                                                                          COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          unknown
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STRANDEDNESS: Sin
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COUNTRY: U.S.A.
ZIP: 10591-6707
                                                                                  Y: U.S.A.
105-11-6707
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                                                              New York
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ADDRESSEE:
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                                                         STATE: No
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Persson, Hakan B. et al.
VEXTER, Kometraphic Factors Hasha Altered
VEXTER: Receptor Einding Specificities
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No. 2.2; 83; 82.5; 82.5; 82.5; 82.5; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 83.6; 
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Batelles 7, Organistics 7, Hismatches L; Indexs
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MEDIUM TYPE: Floppy disk
COMPUTER: IND Proceedings of the computed of the confermation of the confermed by the confermation of the confermatio
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EDDISCRATETH BOMBHES, 22,147,709,972
REPORDER, PROMER HOMBHES: 45,26,097
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// Patent No. 5705617
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TELECOMMUNICALION INFORMATION.
                                                                                                                                                                      INFORMATION FOR SEQ ID NOT 1: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 82.5%;
Matches 7, Concernation
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ATTORNIY/AGENT INPURINTED:
                                            TELEPHONE: 914 447 7000
TELEPAX: 914 447 7114
                                                                                                                                                                                                                                                                                                      12 amino avids
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TELEPHONE: 914 54.
TELEPHONE: 914 447 2113
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US-08-300-044 2
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MOLECULE TYPE: poptide
US-08-300-044-1
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TITLE OF INVENTION:
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C. U.S.A.
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ZIP: 10591-6707
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CLASSIFICATEON:
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US - 08 - 300 - 044 - 2
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TELEX: 910/×11-7168
INFORMATION FOR SEQ ID NO: 1:
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                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
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                                                                                                                           FILLING DATE:
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                                                                                                                                                            TITLE OF INVENTION: WOUND TREALMENT METHOD WITH NERVE GROWTH TITLE OF INVENTION: FACTOR
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FITE OF INVENTION: Multilunctional Neurotrophic Factors
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                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICYTION DATE: US/08/753,642 FILLING DATE: 27-NOV-1996
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COMPUTER: TRM PC compatible
OPERATING SYSTEM: PC-DGS/MS-DGS
                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IHM PC COMPATIBLE
OPEKATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                    NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS: A
ADDRESSEE: MPRISON & FORESTER
STREET: 755 PAGE MILL ROAD
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                                                                                   Sequence 2, Application US/08753642
Patent No. 6063/5/
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TELEPAX: (415) 494-0792
TELEX: 705141 MRSNFOERS SFO
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                                                                                                                                                HRSO, RICHARD G.
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CLASSIFICATION: 514
ATTORNAYABLE INFORMATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: MONROY, GLADYS H.
REGISTRATION NUMBER: 32,4
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              119 amino acids
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fotology: linoar
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Best Local Similarity
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STREET: 777
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Z1P: 94304-1018
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                                                                                                                               GENERAL INFORMATION:
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4 ATDIKCKE 11
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ZIP: 10591
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                                                                     US-08-754-642-2
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Obery Match 59.68; Score 34; Dig is Londth iztr. Best Local Similarity 87.58; Pred. No. 23; Matches 7; Commencementing 0; Mismatches 1; Endoise
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APPLICANT: Presta, Leonard G.
APPLICANT: Winstew, John W.
TITLE OF INVENTION: PANTHERIC NEGROTROPHIC FACTORS
CORRESPONDENCE: 7
CORRESPONDENCES: 7
SOFTWARE: Patentin Release #1.0, Version #1.25
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COMPUTER: 18M PC compatible
OPENTING SYSTEM, 187 becomes
approach
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                                    MMBER, 002/07/979,649
20-NOV-1992
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APPLICATION MOMBER: UC/98/440,049
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STREET: 4c0 Point San Bruno Blvd
CIIY: South San Prancisco
STATE: California
                                                                                                                                      APPLICATION NUMBER: US 07,7847,369
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                                                                                                                                                                                                                          NAME: Kempler Ph.D., Gail M. REGISTRATION NUMBER: 32,143 PEPPPENCE, ALS YEST NUMBER: REG 41
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TELECOMMUNICATION INFORMATION:
TELEPRONE: 415/225-8674
TELEFAX: 415/3525-8674
                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 914 447-7000
TELEFAX: 914 447-2113
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION RUMBIR: 09/25
                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEG ID NO: 1: SEQUENCE CHARACHERISTICS:
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ATTORNEY/AGENT (NESEMATION:
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                                                                                                                                                         JEL - MAR - 1992
                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                            120 amino acids
                        CURRENT APPLICATION DATA: APPLICATION GUMBER, 357,
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US-07-979-630-1
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                                                                FILING DATE: 20-NOV-1
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
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87.58; Pred, No. 23;
ative 0; Mismatcher is helels
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APPLICANT: Dresta, Leonard G.
APPLICANT: Winslow, John W.
ITHE OF INVENTOR: TARTEBUL: NEUROTREPHET FACTORS
NUMBER OF ENGINEER: 7
CORRESPONDENCES: 7
CORRESPONDENCE: ASSERTED:
AUDRESSEE: Generatech, Inc.
STREET: 460 Point San Branc Blvd
CITY: South San Prancisco
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MEDIUM TYPE: 8.5 inch, 1.44 Mb floppy disk COMPUTER: Haw PC compatible of FAMILIA TYPE TO TOSYMS IN S S S S S S S WINDALIN GENERIC (Geneticch)
                                                                                                                                                                              0: Mismatches
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KEPERENTZONEKET NUMBER: F0905C2
FELEDOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/253937 FILLING DATE: 03-JUN-1994 AFFORNEY/ASTENT INFORMATION:
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CLASSIFICATION: 435
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REGISTRATION NUMBER: 36,7
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TYPE: Amino Acid
TOPOLOGY: Linear
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415/952-9881
                    LENGTH: 120 amino acids
                                                                                                                    Onery Match
Best Local Similarity 87.5%
American Processivative
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SECUENCE CHARACTERISTICS:
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TELEFAX: 4127 2.2.
TELEFAX: 7107.51 7168
                                     PYPE: Amine Acid
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90,600 Sheare 44: 184.2: Femalh Lin, 87,500 Frod, No. 24; at the \alpha - \alpha - Mismatches . It halour
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APPLICANT: Fresta, Found
APPLICANT: Fresta, Found G.
APPLICANT: WINSLOW, Follow W.
ITHE OF INVENTOR'S Bartopic Nonrottophic Factors
CORRESPONDENCE AND FESS. 20
                                   APPLICANT: Utfer, Behan
APPLICANT: Presta, Sentand 9.
APPLICANT: Winshaw, John W.
TITLE OPEN PARMED NO.
NUMBER OF EXPURIENCE: Zu
CORRESPONDENTE ALDRESS.
                                                                                                                                                                                                                                                                                              MEDIUM TYPE: 8.5 orch. 1.44 Mb. Floppy disk
COMPUTER: 16M PC compartible
OPERATING SYSTEM: PC DOS/MS DOS
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CHRRENT APPLICATION (ALA:
AFTLICATION NUMBER: BS/98/441.)
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Patent No. 5981460
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03 JON 1994
                                                                                                                                                            dementert, Inc.
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STAFE: California
CountRY: USA
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Matches 7: Conservative
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750/952 19881
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US-08-441 514A l
                  GENERAL INFORMATION:
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CLASSIFICALION:
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: Patent No. 5981480
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APPLICATION NUMBER: US/08/441,513A

FLING THE 15 - May 1995

CLASSIFFICATION 1- 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/253937

FILLING DATE: 03-JUN-1994

APPLICATION NUMBER: 08/253937

FILLING DATE: 03-JUN-1994

ATPLICATION NUMBER: 04/200

REFERENCE NUMBER: 04/200
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GenCore version 4.5 Copyright (c) 1993 - 2090 Compayon 15d.

OM protein - protein search, using sw model

August 30, 2001, 16:31:02 ; Search time 22:02 Seconds (without alignments) 60.084 Million cell updates/sec Run on:

US-09-018-194-9 57

1 CATDIKGAEC 10 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table;

425026 seqs, 132305027 residues Searched:

425026 Total number of hits satisfying choses parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

1: sp\_archea:\*
2: sp\_bacteria:\*
4: sp\_tungi:\* SPTREMBL\_16:\* Database :

sp\_human:\*
sp\_invertebrate:\*
sp\_mammal:\*
sp\_mhc:\* sp\_rodent:\*
sp\_unclassified:\*
sp\_vertebrate:\* sp\_organelle:\* sp\_bhaye:\* sp\_plant:\* 44 ... 5 ... 10 ... 12 ... 14 ... 12 ... 14 ... 14 ... 14 ... 14 ... 14 ... 14 ... 15 ... 16 ... 16 ... 17 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

sp\_virus:\*

SUMMARIES

wery Match Length DB ID Bescription	96 5 09N7IS 09n7IS	5 Q9NDA1	13 091837	11 093360	025253	5 Q9W4T8	5 097458	099295	13 091848	091847	13 091846 091846	145 13 Q91845 laticauda	13 091844	13 091843 091843	13 091842	194 13 Q9DFE8	Q*	
Query Match L	71.9	71.9	68.4	66.7	66.7	66.7	66.7	63.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	
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#### ALIGNMENTS

01-0CT-2000 01-MAR-2001 PRÜHABLE PRÜ LMZ8.233. 16:ishmania m Bersynta: B NCR LTAXID-5		
.233. mania .yota: .Taxib	(TrEMBLrel, 15, (TrEMBLrel, 16, PBETAS PROTEIN (	Last sequence update) [ast annotation update) FRAGMENT).
	IAMS 2.23. Locishmenia major. Eukaryota: Euglenezea; Kinetoplastida NCRE_TaxID-5664;	10428-233. Eukaryota: Eurlenozoa, Kinetoplastida: Trypanosomatidae; Leishmunia. NCB: TaxID-5664;
SEQUENCE F STRAIN FEI Marphy L., Sabmi: 13 EMBL: ALR9 InterPro; Pfam: PEO	SEQUENCE FROM N.A. STRAIN FELEDLIN. Murphy L. quail M., Harris D., Fajardream M., Ivens A., Sulonined (17, 2007) to the EMEG, Or object, CTPF Jalabases. EMEL: AL390935; CAC009521; Interpro: IPR001353; Pfam: PF00227; proteasome; 1.	ndream M., tvens A., Barroll B., Brok,filb! databases.
NON_TER SEQUENCE Query Match Best Local St Matches 7,	NON_TER 96 96 SEQUENCE 96 AA; 10774 MW; E9E76B074C9A Query Match 71.9%; Score 41; DB Best Local Similarity 70.0%; Pred. No. 0.8 Matches 7, Censervative 1, Mismatches	E9E76B074C9AE991 CRC54;  core 41; DR 5; Lenath 96;  red. No. 0.8;  Mismatches 2; Indels 0; Gaps
1 CATDIKGAEC 	CATDIKGAE: 10     :	
T 2 1 09NDA1 09NDA1 01 0CT 2000 01 0CT 2200 01 0CT 2000	PRELIMINARY; PRT; 205 AA. 0 (IrEMBLrel. 15, Created) 0 (TIEMBLrel. 15, Cast Acquence update)	205 AA. unnie update) sation indates

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SEQUENCE 145 AA; 16099 MW; A6245F7C0D0ED48F CPCC43
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PRINTS; PR01217; PRICHEXTENSN.
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Matches 6, Conserv
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                         Enkaryota, Englenozoa, Kinetoplastida, Irypanesomatida y Trypanosoma.
Nyat-taxin-5691;
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Laticanda semitasciata phospholipase A2 qene clone LsPLA2GD1 1 2-4th
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"Latiranda semitasciata phospholipase A2 qene clone LsPLA2GL2-1 2-4th
                                                                                                                                                                                                                                                                                             Caps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Elapidae: Laticandlaee, Laticanda.
                                                                                                        Mozdech z., Huang L., Yao Y., Morton A., Wang C.C.;
ThPSRs bota 3 subunit of 208 proteasome from T. brucel.";
Submitted (III 1969) 1 (15. PMRG)Sadrad, Tibri dit die
EMBL: AF169653: AAF89685.1; 1.
                                                                                                                                                                                                                                                           71.9%; Score 41; DB 5; Longth 205; 70.0%; Pred. No. 1.7; 2; End. 1.8; End. 1; Mismatches 2; End. 13.
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                                                                                                                                                                                                                 20% AA; 22458 MW; 4CB2093E81E2PFF7 CRC64;
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01 OCT 2000 (TrEMBLE), 15, Last sequence update)
01 MAR-2001 (TrEMBLE), 16, Last annotation update)
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PROSITE: PSO0119: PAZ_ASP: 1.
PROSITE: PSO0118: PAZ_HIS: 1.
SMAKT, SMBCOBC, FAZC, 1.
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Ptam: PF00227; proteasome: 1.
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                frypanosoma brucei.
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01-0CT-2000 (TERMITE). 15, Last sequence update)
01-MAR-2001 (TERMITE). 16, Last annotation update)
BAAR-2001 (TERMITE). 16, Last annotation update).
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Perigeta, Megern Folgeterzetéa Páplesi, Periloriaz Museemorphaz
Oestroideaz Galliphoridaez Lucillá.
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Mammalia, Eutheria: Redentia, Scincoquathi: Maridae, Marinae: Mus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Osada N., Kusuda J., Tanuma K., Ito A., Hitata M., Sudano S.,
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Pred, No. 32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Emeilla cuprina (Greenbottle 11y) (Australian sheep blewily).
DR 13; Length 145;
                                                                                                       2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4; Indelis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The PMEL Contact (DDBJ databases)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of lot ejece (150)
16, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT; 1045 AA.
                                                                                                             2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
     68.4%; Score 39;
69.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q25253;
01-Nov-1996 (TERMILE). 01, Created)
01-Nov-1996 (TERMILE). 01, 15.1 - 93.
01-MAR-2001 (TERMILE). 16, Last aumo
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SEGGERCE 2653 AA; 285928 MW; 6AF2A05RPPFGR39 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                prosophila melanogaster (Fruit fly).
Enkirysta: Melazsa Arthropoda: Tracheata: Hexapoda; Insecta:
Prerygola: Neoptera: Endopterygola: Diptera; Brachycera: Muscomorpha:
Ephydroidea: Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gorayne J.D., Adams M.D., Celniker S.E., Holt R.A., Heskins R.A., Calle R.F., George R.A., Lowis S.E., Richards S., Ashburnor M., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X., Randon R.C., Rogers Y.-H.C., Blazel R.G., Champe M., Pfeiffer B.D., Mar K.H., Dayle C., Raxter F.G., Hell G., Nelson C.R., Miklos G.L.G.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             66.7%; Score 38; DB 5; Length 2653;
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                                                                                                                                                Chen Z., McKenzie J.A., Batterham P.;
Submitted (NOV-1997) to 15e FMRL/Genkank/Fünklidatabases.
EMRL 178977. AAC36151.1;
EMRL AF022CT2 AAC4652 1.
                Cheu Z., Newsome T., McKenzie J.A., Batterham P.:
Submitted (DEC-1997) to the EMBL/GenRank/SDRH databases.
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01-MAK-2001 (IrEMBLrel. 16, Last sequence apdate)
01-MAK-2001 (TrEMBLrel. 16, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT: 2703 AA.
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PROSTTE; PS60247; ANK_REP_REGION: 1.
PROSTTE; PS00010: ANK_HYDROXYL; 22.
PROSTTE; PS00012; FGF 1; INKNOWN_34.
PROSTTE: PS01185; EGF_2; 28.
PROSTTE: PS01187; EGF_CA; 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIJINE 20196006; PubMed=10731132;
                                                                                                                                                                                                                                                                                    EMBL, ATCC22672 ANT 86 S2 1: TOTNED EMBL; ATCC22673; AAC36152.1; FOLNET EMBL; AF032673; AAC36153.1;
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                                                                                                               SEQUENCE OF 39-265 FROM N.A.
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PRINTS; PR00010; EGFBLOOD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ptam; PP00008; EGP; 36.
ptam; PP00023; unk; 6
ptam; PP00066; notch: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPR001438; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro: IPBO01881.
                                                                                                                                                                                                                                                                                                                                                                                                                           - 1541JUJJdd1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR000800;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                 P00740; 1EDM.
                                                                                                                                             STRAIN SS SEEKING:
STRAIN SS SEEKING;
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RA Burtis K.C., Husam D.A., Butler H., Cadion E., Conton A., Chandia I., RA de Pablos B., Detedra A., Dana Z., Mays A.P., New J., Diot. S.M., Basson K., Boup D.E., Indeed B., Bourdel S.A., Dana Z., Mays A.P., New J., Diot. S.M., Basson K., Basson K., Durchin K.J., Evared State C.C., Mays A.P., New J., Diot. S., Perial S., Perishana W., RA Durbin K.J., Evared State C.C., Rays A.P., Herman M., Glasson K., RA Harris M., Glasson K., RA Harris M., Haster P., Gorrell J.H., Gu. Bernat. G., Berriera S., Fleischmann W., RA Harris M., Haster P., Gorrell J.H., Gu. Bernather J.R., Gua P., Harris M., Andrew S., May R., Herman T.J., Hermander J.R., Bouck S., Andrew S., Andrew S., May R., Marris J., Rayson K., Lasko F., Li, Y., Etal. M., Marris J., Rayson D., Andrew S.M., Martici M., Martic
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PROSTIE; PS50297 ARK REP REGION; 1.
PROSTIE; PS00010 ASX_HYDROXYL; 22.
PROSTIE; PS01187 EGF_2: 28.
PROSTIE; PS01187 EGF_2: 28.
PROSTIE; PS01187 EGF_2: 28.
PROSTIE; PS01187 EGF_2: 28.
PROSTIE; PS01187 EGF_1: 41.
PROSTIE: PS01187 EGF_1: 41.
SEQUENCE 2703 AA; 28885: MW; UAAE24645FF0778 CF044;
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60.0%; Pred. Mo. 81:
tipe 1; Mismatches 3; indels
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-MAK-2001 (TrEMBLrel. 16, Last ampetative update)
EG:163A10.2 PEOTEIN.
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Drosophila melanoqaster (Fiuit fly).
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PRINTS; PR00011; EGFLAMININ.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FlyBase: FBqn0004647; N.
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Pfam; PF00023; ank; 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR000561; -.
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Line C., Liu X. J., Crowe P.D., Kelner G.S., Fan J., Barry G., Mann F.,
Lina N., Pe Sanza B.W., MAK R.A.:
"Nephroblastoma overexpressed gene (NoV) codes for a grewth factor
that induces protein tyrosine phosphorylation.":
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SEQUENTE 2704 AA: 288894 MW; 554298A25C9HBA4E CRC64,
Eukuryota, Motazoa, Arthropoda, Tracheata, Hoxapoda, Insecta,
Pierydota, Noeglera, Endepterydota, Diplera, Brachycera, Muscomorpha,
Ephydioldou, Drosophilidae, Drosophila,
Nebl'idxiD 7227,
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Mammalia; Eutheria; Rodentia; Sciurodnathi: Muridae; Murinae; Raftus.
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RMHLD ALD 64.85; CABR7611.1; JOINED.
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01 MAY 2000 (FLEMBLEEL, 13, Created)
01 MAY 2000 (TLEMBLEEL, 13, Last sequence update)
01 MAR 2001 (TLEMBLEEL, 16, Last annotation update)
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PROSTIE; PSC-0022; EGF_1; UNKNOWN_44
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STRAIN SPRANUE DAWLEY;
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PROSITE: PSULLB7: EGF_CA; 21.
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Ptam: PFU0024; ank; 6.
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Tamiya T., Fujimi T.J.: "Laticanda semilasciata phospholipuse AZ deno close isECA.31' : 2.4% "Laticanda semilasciata p
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Lepidosauria; Squamata; Scleroglossa; Serpentes; Colabroidea;
Elapidae, Laticandinae; Laticanda.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Laticanda semitasciata (Broad Landed Edue sea snake) (Listisea
                                                                                                                                                                                                                                                                                              64.2%, Score 46, DB-II; beneth 64; 66.2%, Pred. No. 28; trive 2; Misharches i; Indexs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match (1.4%; Score 6; DR 19; Jourth (4)
Rest Local Similarity So.OW; Prod. No. 19;
Matches 5; Conservative 4; Mismatches 7; Edels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            may a laber PMR sheareach (100K), databaskes
                                                                                                                                                                                                                                                 351 AA3 38509 MW; 0201970708701608 36333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-ocTs-2000 (TERMILLE), 15, Created)
01-ocT-2000 (TERMILLE, 15, Last Sequence update)
01-MAR-2001 (TERMILLE), 16, Last annotation qidate)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT: 145 AA.
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EMBL, AB037221; BAA99511.1;
EMBL, AB037220; BAA99511.1; JOINED.
                                                                                                                                Pign. PFONCO C VWC; 1.
PROSTE, BSOLIGE, CFRP; 1.
PROSTE, BSOLIGE, CTCK 2: 1.
PROSTE; PSOLIZE, CTCK 2: 1.
PROSTE; PSOLIZE, CTCK 2: 1.
PROSTE; PSOLIZE; CTCK 2: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINTS, PRODARG, PHPHLIPASEAZ, PROSITE, PSOUTH, PAZ ASP, 1, PROSITE, PSOUTH, PAZ HIS; 1,
                   EMBL: AF171936: AAD43471.1;
                                                                                               Pfam; PF00007; Cys Knot; 1.
Pfam; PF00090; tsp.1: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro: IPR001211; .
Ptam: PF00068; phoslip: 1.
                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SMART; SMOOOBS; PAZC; 1.
SEQUENCE 145 AA: 1550
                                                                 InterProj 1PR000884; ...
InterProj 1PR001007; ...
Cene 248:471-478(1999)
                                                                                                                                                                                                                                 SMART; SM00041; CT: 1.
                                    InterPro: IPR000359:
                                                    1PR000867;
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Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                  2 ATDIKGAEC 10
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                                                    InterPro;
                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                    SECHENCE
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TISSOE-VENOM GLAND:
Tamiya T., Fujimi T.J.;
"Laticanda semitasciata phospholipase A2 CDNA clone LsPLA2cL038.";
"Laticanda semitasciata phospholipase A2 CDNA clone LsPLA2cL038.";
Submitted (JAN-2000) to the FMRL/GenRank/DDRJ databases.
EMBL: AB037410; BAH03297.L: 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enkaryota; Metazoa; Chordata: Craniata; Vertebrata; Enteleostomi;
Lepidosuuria; Squamata; Selerogiossa; Serpentes; Colubroidea;
Elapidos: Laticaudinae; Laticauda.
                                                                                                                                                                                                                                                                                                                                                                               Tamiya T., Fujimi T.1.; Tamiya A2 cDNA clone LSFLA2cL037."; "Laricanda scmitasciata phospholipase A2 cDNA clone LSFLA2cL037."; Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases. EMBL, AB037409; BAB03296.1: ".
                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Erpidosauria; Squamata; Scleroqlossa; Serpentes; Colubroidoa;
Elapidae; Laticadinae; Laticauda.
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                                                                                                          Laticanda semitasciata (Broad banded blue sea smake) (Prabu sea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61.4%; Score 35; DB 13; Length 145; 50.0%; Pred; No. 19; tive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9277AC82B50F7887 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE 145 AA: 16062 MW; D3BC01790A0F7885 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-oct-2000 (TrEMBLECL. 15, Created)
01-oct-2000 (FrEMBLECL. 15, Last sequence update)
01-MAR-2001 (TrEMBLECL. 16, Last annotation update)
PHOSPHOLIPASE A2 PRECHESOR.
01-00T-2000 (FrEMBLrel, 15, Last sequence update)
01-MAR-2001 (FrEMBLrel, 16, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT; 145 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     POTENTIAL.
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Prime; PF00068; phoslip; 1,
Prime; PR00389; PHPHLIPASEA2.
Protown; P0000303; -; 1,
PROSITE; PS00119; PA2_ASP; 1,
PROSITE; PS00118; PA2_ASP; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro, IPR001211; -. Ptam; PP00068; Phoslip; 1. PRINTS; PR00389; PHPHLIPASEA2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE 145 AA: 16059 MW:
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PROSITE: PS00119; PA2_ASP: 1.
PROSITE: PS00118: PA2_HIS: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Rest Local Similarity 50.0%
For New 5; Conservative
                                                                PHOSPHOLIPASE A2 PRECURSOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SMART; SM00085, PA20; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              116 CACDIOAAKC 125
                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
TISSUE VENOM GLAND;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CATDIRGAEC 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Signal.
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61.4%; Score 35; DB 13; Length 145;

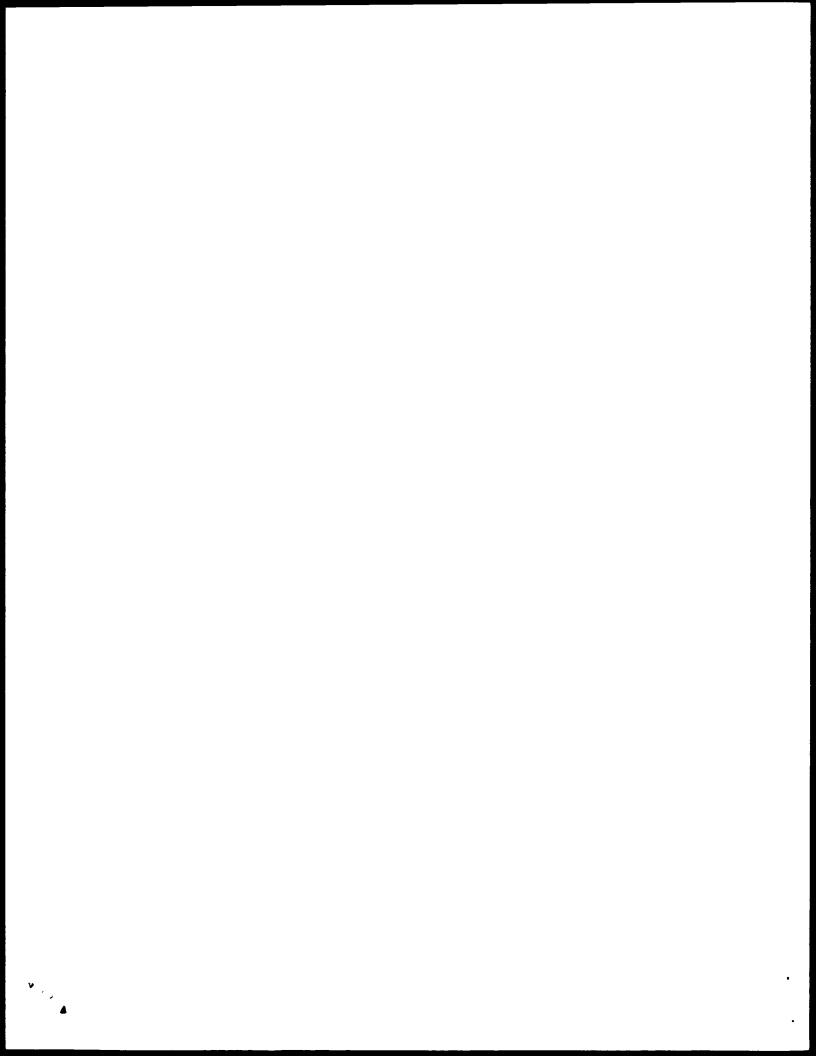
Query Match

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Eukarýota; Metakoa; Chordata; Craniata; Vertebrata; Estebeostomi;
Lepidosauria; Squamata; Scheroqlossa; Serpentes; Colubreidea;
Elapidae; Latikandinae; Laticanda.
NCBL_PAXID-8651;
                                                                                                                                                                                                                                                                                                                                                                                                                                           "Laticanda semilasciata phospholipase Az cena clone isplaželetes.";
Submitted (JAN 2000) to the interference formalases.
                                                                                                                                                                                                                                                                                                        Eukarýota, Metažoa, Chordata, Craniala, Vertebrata, Esteleostomi;
Lepidosanria, Squamata, Sclerodiossa, Scrpentes, Colebroidea;
Elapidae, Laticaudinae, Laticanda.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Laticanda semilasciata (Broad-banded blue sea snake) (Erabu seu
                                                                                                                                                                                                                                                                           Laticanda semitasciata (Broad-banded blue sea snake) (Frabu sea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61.48; Score (5; pk 13; Length 145; 50.08; Pred, No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SRQUENCE 145 AA: 16089 MW; 9277B0F2B07F6D87 CRC64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01 oct-2000 (FrEMBLrel. 15, Created)
01-oct-2000 (FFEMBLrel. 15, Last sequence update)
01-MAR-2001 (FFEMBLrel. 16, Last annotation update)
                                                                                                                                                                                            01-00T-2000 (TrEMBLrel. 15, Created)
01-00T-2000 (TrEMBLrel. 15, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last annotation update)
PHOSPHELIPASE A2 PPECHRSOR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRT; 115 AA.
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50.0%; Pred. No. 197
              Mismatches
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                                                                                                                                                                   PRT;
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PKINTS; PR00389: PHPHLIPASEA2.
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PROSTIE: PSOOLIS: PAZ_ASP: 1.
PROSTIE: PSOOLIS: PAZ_HIS: 1.
SMART: SMODOMS: PAZC: 1.
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EMBL: AB037411; HAB03298.1: -
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Best Local Similarity 50.0%
Rest Local Similarity 50.0%
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                     Conservative
                                                                                                                                                                     PRELIMINARY;
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TISSUE-VENOM GEAND;
Tamiya T., Fu]imi T.J.;
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                                                                                    DB TIE CACDUQUARY 125
                                                    1 CATDIKGAP* 10
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                         Matches
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Search completed: August 45, 2001, 16:42:29
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TISSUE=VENOM GLAND;
That ya T., Fijimi T.J.;
That ya T., Fijimi T.J.;
That icanda semitasciata phospholipase A2 cDNA clone LSP AZePm05.";
Submitted (JAN 2000) 10 the FMRL/GenFink/foughter databases.
EMBL; ABO 47413; BAR0 3300.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Laticauda semitasciata (Broad-banded blue sea snake) (Brabu sea
                                                                                                                                                                                             Query Match 61.4%; Score 35; DB 13; Length 145;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 5; Conservative 3; Mismatches 2; Intels
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                                                                                                                              SECUENCE 145 AA; 16073 MW; 49D4B439160F7895 CRC64;
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10 octr-2000 (TrEMBLrel. 15, Last sequence update)
01 MAK-2001 (TrEMBLrel. 16, Last annotation update)
phosymorthase A2 PapeOMSOR.
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091842:
01 oct 2000 (TrEMELEEL 15, Created)
01 oct 2000 (TrEMELEEL 15, Last sequence update)
01 oct 2001 (TrEMELEEL 16, Last annotation update)
PHOSPHOLITASE AZ PRECURSOR.
                                                                                                                                                                                                                                                                                                                                                                              PRT; 145 AA.
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PRINTS: PROBERT PHPHLIPASEA2.
PRODON: PROBOW: -; 1.
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PROSITE, PS00119; PA2_ASP, 1.
PROSITE: PS00118; PA2_HIS; 1.
                                                            PROSTIE: PSD0119; PA2_ASP; 1.
PROSTIE: PS00118; PA2_H1S; 1.
SMARE: SMO085; PA2c; 1.
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Ptam; PFOGO68; phostip; 1.
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Matches 5; conservative
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InterPro; IPR001211; -
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116 CACDLOAAKC 125
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EMBL: ARRESTA HARCSTOLLE
                                                                             Enkaryotas Metaseas Stordatas Staniatas Vertebratas Esteressises, 
Lepidosaurias Squamatas Selec Hossas Serpentess to dirodes.
Elapidaes Laticaudinaes Laticauda.
Laticanda semitasciata (Broad banded blue set stake) (Esda seu
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Best Local Similarity (0.0%; Prod. No. 195
Matches 5; Conservative 8; Mismatches 2; Todels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ptan: PF00068; phostip: 1.
PRINTS; PR00389; PHPHLIPASEAZ;
Probom: PD000303; ; 1.
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PROSTTE: PSOUTHY: PAZ HISTI.
SMART: SMOODES: PAZC: 1.
SIGHAL.
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                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
                                                     snake).
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us-09-018-194-9.rspt



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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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protein search, using sw model M protein

August 30, 2001, 16:30:57 ; Search time 18:14 Seconds Run on:

(without alignments)
33.420 Million cell updates/sec

US-09-018-194-9 57

1 CATDIKGAEC 10 Perfect score; Sequence:

BLOSUM62 Scoring table;

412676 seqs, 60623988 residues Gapop 10.0 , Gapext 0.5

Searched.

fotal number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Listing first 45 summaries Fost processing: Minimum Match 0% Maximum Match 100%

Database :

A\_Geneseq\_0601:\*

Pred. No. is the number of results predicted by chance to have a score areater than or equal to the score of the result being printed, and is derived by analysis of the total gross distribution.

inscription	eyelle peptide ase			Amino acid sequence	Human orphan recop	Human TEK tyrosius	Amino acid sequenc	Camporhabitities ob-	NGF derived struct	N3F derived struct	Peptide to induce
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#### ALLOMENTS

ALX 9234 Standard; poptides to AA . RESULT

AAY 39234 :

cyclic peptide used to inhibit p75NFS mediated gsq1+s1s.

Cyclic paptide, p77Mis, p75 meandrophin receptor; norse an with laster YY, and an equal of the continuation of a supplied by the continuation of the colour; an epocal adversary makes particin baldness.

Synthetic.

Location/Qualitiess Modified-site

Znote "N terminus is attached via a poptide bend to the effections amine acid at position le". Zinte "c-terminus is attached via a popular tetal  $\gamma$  the N-terminus amone acid at position  $z^{\prime\prime}$ 2 Modified-site

W00939728-A2

12-AUG-1999.

99W0-US02462. C4-FEB-1999;

98HS 0018144. 04-FER-1998:

(UYBS -) UNIV B STORY

Population to induce

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apoptosis. The new method can induce or maintain hair growth, hair colour or skin colour. Inducing or maintaining hair growth is useful for treating alopedia areata or male pattern baldness in vertebrates.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; secreted protein; immunosuppressive; antiarthrific; antirheumatic;
                                                                                                                                                                                                              Inhibits be a amyloid binding to the P7s neurotrophic coeptor (p78RR) p75NIR is a low attinity nerve growth factor (NGF) receptor which is expressed by melanovytos and keralinovytos of the basel opidermis.

Appetosis can be inhibited by p78MIR win the upremblation of the Net-2 protein. If the receptor is occupied by appropriate liquids c.a. neurotrophias, apoptosis is inhibited by appropriate liquids c.a. Inquids include this cyclic peptide. The complex stapprepriate sequence of the binding readment of beta amyloid, which binds to p75NIR in Alzheimer's disease. This cyclic peptide can be used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antipreliterative, cytostatic, cardiant, vasctropic, cerebrarotective, nootropic, neuroprotective, antibacterial; virucido, fundicido, opthalmalosical, vulnerary, autoimmune diseaso, rhouma old athritis, hyporpreliterative disorder, canner, reriberascular diseaso, cardiar diseaso, cerebrowascular disorder, mervous system disorder, Althrimer's disease, cerdar disorder, weard healther, shin arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                   methods to control or manipulate keralinocyte or melanocyte cell death. The methods involve using this peptide or peptides AATOLEGITOLE TO bind as a pseudo-liqand to the P75 neurotrophin receptor, inhibiting
                                                                                                                                                                                                  This sequence is a cyclic peptide which competes with and competitively
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                                                                                    Controlling or manipulating melanocyte and keratinocyte cell death,
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                                                                                                                                                    Claim 4: Page 40; 67pp; English.
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20 JAN-2000: 200008-0177166.
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AARS1825 represent afternative polypeptides encoded by the groes and
                                                                       New nucleic acid molecules encoding 48 human secreted packeins tea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino acid sepentro of a Tek/Pertusion professo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prod. No. 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ts
ote "Signai peptide"
                                                                                                                                                                                                                     Disclosure: Page 446; tempp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Everyt Long/gual Et fer s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB31165 standard; protein; 704 AA.
                                                                                                                                                                                                                                                                                     Polynneleotide sequences AACS4422
buman secreted proteins AABS1224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              70.2%;
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WPI; 2000-619226/59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               252 estdyraphe 261
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wound granulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 411 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB 31165;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Protein
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
The present sequence represents a fusion protein comprising the extractional domain of the lower receptor typeing by so, we and the extraction of buman immunoglobulin (49) 61. The teleforeare lawks all or part of the region containing fibromectin type III (WHII) woulds, and retains the ability to bind at least one Fek ligand. The fusion polypoptide is an angiogenesis inhibitor, and a Tek antaromist. The polypoptide or soluble for multimer, antibodies or antibody fragments are useful for treating a mammal haring a disease or condition mediated by angiogenesis, etc. a solid tumour a condition or disease characterized by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fusion protein, receptor tyrosine kinase, Tek, Es portiou, immunoqiobulin Gl; IdGl; andioqenesis, tumour; ocular necessarlarisation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inflammatory disease; arthritis, rhowmatism; psoriasis; eye disorder; diabetic retinopathy, retinopathy, neovascaiar alancama; retinopathy are rocking ancama; retinopathy are retinopathy and the oversial and are retinoma; and the recovasculatism is a recommendation; and qualt neovasculatism for cancer, metastatic sarcoma, careinoma; wound quantilation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ocular neovascularisation. In particular, the rek antagonists are useful their treating or preventing inflammatory diseases (e.g. diabatic returnmatism or psorias), certain eye disorders (e.g. diabatic ret incopathy, rethropathy or prematurity, neovascular glancoma, retrofordal fibroplasia, rubecosis, uveilis, macular decementation or graft neovascularisation), cancer (e.g. metastatic surveyments or earchnomas), or wound granulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Saps
                                                                                                                                                                                                                                                                                                                                                    New set polyperides astaquate taring a fragment of the Telescontracellular domain, useful for treating mammals with a disease mediated by ampiograpsis, e.g. tumors, ormiar neovascularisation or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ċ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61.4%; Score 35; DB 22; Longth 704; 60.0%; Pred. No. 4.1e-02; tive 7; Mismatches 3; Indols
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino arid sequence of a Tekze fusion protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cerretti DP, Borges LG, Fanslow WC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 17, Page 47 49; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB31164 standard; protein; 977 AA.
                 Znote. "Pr portion"
                                                                                                                                             07.JUN 2000; 2000Wo-US15706.
                                                                                                                                                                                     990S-0137889.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
473..704
                                                                                                                                                                                                                                                                                                                                                                                                                         intlammatory diseases -
                                                                                                                                                                                                                               (IMMV ) IMMUNEX CORP.
                                                                                                                                                                                                                                                                                                                 WPI; 2001 112149/12.
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Rest Local Similarity
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                                                             W0200075423-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                       16661 - NDF - 20
                                                                                                     14 DEC-2000.
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Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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The present sequence represents a major protein comprising the extracellain down. of the tamms receptly typicine binase by and the perform of human immunoalobulin (14) the lost reason is sexts all or part of the region containing themself in type III (BNIII) motifis, and retains the ability to bind at least one lek liband. The fusion polypeptide is an andioacnesis inhibitor, and a lex antanonist, the polypeptide or soluble Tek multiment antibody tradments are useful for treating a mammal having a disease or condition mediated by andioacnesis, e.g. a solid tumour a condition or disease abunatetized by ocular necessity, e.g. a solid tumour a condition or disease characterized by ocular necessity and particular, the lek antanonists are useful for treating or preventing inflammatory diseases (e.g. arthur is).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rheumatism or psoriasis), certain eye disorders (e.a. diabeti-
retinopathy, retinopathy of prematurity, necessitar diabetha,
retinoblastoma, etcrolental libroplasia, indusesis, aveitis, mabular
dependention or graft movacularisation), cancer (e.a. metasiatic
sarcomas or careinomas), or wound granulation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New Tek polypopt des antagonist having a fraument of the Tek extracellular domain, useful for froating mammals with a Escase mediated by analogenesis, e.g. famous, ocular necessorial sation of
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60.0%; Pred. No. 5.6e+92;
Live 1; Mismatches 3; Lidels
                                                                                                                               "Tek extracellular domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ork; ligands; antibodies; PCR; amplitication.
                            .18
ote "siqnal peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cerretti DP. Borges LG, Fanslow WT;
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Cocation/Oualifiers
                                                                                                                                                                                                   "Fe portion"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .90S-0137889.
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                                                                                        19..745
/note "Te
746..977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inflammatory discases -
                                                                                                                                                                                                      /ante-
                                                                      /note
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (THEY ) THEORY CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-112149/12.
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                                                                                                                                                                                                                                                                      WO200075323-A1.
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                                                                                                                                                                                                                                                                                                                                      14-DEC-2000.
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                                                                                                      Protein
                               Peptide
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RESHLT
     Degenerate oligonucleotide primers based on the sequence conserved in the kioses domain of all receptor tyresine kinases wis used for the Relation of all receptor tyresine kinases wis used for prod. HER be contained a nevel sequence which was assed as a probe to isolate longer tragments from a human placental chwa library, one clone contained the critic coding region and was called. Her ork agne, the tender prod. Shown can be used as a research tool in in vitto assays for detection of ork, its ligands or their interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 35; DB 15; Length 1124;
Pred. No. 6.4e·02;
1; Mismatches 3; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tie 2: receptor-tyrosine kinaser DNA primer; cancer; andienenesis; vasculoqenesis; tek.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA and protein sequences for orphan receptor tyrosine kinase and expression vectors for produ. of recombinant protein and antibodies specific for the protein, useful in research
                                                                                                                                                 Znote "Cys of immunoglobulin domain"
                                                                                                                                                                                   Znote: "Cys of immunoglobulin Jonain"
                                                    .772
e "fransmembrane region"
                                                                                                                                                                                  Mise-difference 19.,1124 / Zoote: "claimed fragment"
                                                                                                                                                                                                                                                           "rlaimed fragment"
                                                                                                          "Entr-like repeat"
                                  "siqual peptide"
Location/Qualitiers
1..18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 14: Fiq 1: 57pp; English.
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60.0%;
                                                                                                                                                                                                                                                                                                                                                                       93W0-US06093.
                                                                                                                                                                                                                                                                                                                                                                                                        92US-0905600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Guery Match
Bost Local Similarity 60.00
Fost Local 6, Conservative
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                                                                                       340
                                                                                                                                                                                                                                        Mise-difference 19.745
                                                                           /motes
                                                                                                              /note
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                                                                                                                                                                                                                                                                                                                                                                                                                                           (IMMV ) IMMUNEX CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1994-026132/03.
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289 catqwkqlqc 298
                                                                                                                                                                  Misc-difference 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1124 AA;
                                                                                                                               Mise difference 44
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                                                                                                                                                                                                                                                                                                                                                                                                        17861-NOC-97
                                                                                                                                                                                                                                                                                                                                                                     25 - JUN - 1994;
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                                                                                                                                                                                                                                                                                            W09400469: A
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                   Peptide
                                                        Region
                                                                                            Region
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EXEXXXXXX

XIXIXIXIXIXXXXXX

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TEX protein; 1182 protein; receptor tyrosine kinase; the direspect; immune response; endelhelial cell; tamos associated vaccination; the ambasis; cancer; anticancer; presses.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New peptides containing at reast one epitope transfer recepted tyrosine kinase, used in vaccines against carees
                                                                                                                                                                                                                                                             New tie 2 receptor tyrosine kinase and related suchele actimethods for detecting tie 2 modulators for freating earstmore, associated with anglequesis and vasculonenests
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61.4%; Score 45: DB 16; Longth 15.4; out.0%; Pred, No. 6.4evin; tipe 1: Mismatches 4; Radus v
                                                                                                                                                                                                                                                                                                                                                                          This protein is the Euman homedow of mease the Precept of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Amino acid sequence of TEK (also known as 1117) protest
                                                                                                                                                  (PLAC') MAX PLANCY OLDS POLKDEROING WISSENNESTRALLEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ramage JM, Spendleze L:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CANCE) PANCER RES CAMPATON TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY20219 standing protein: 1124 AA.
                                                                                                                                                                                                                                                                                                                                     Disclosure: Page 49: 81pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure: Fig. 1: Sepp. English.
                                                                                                               9 (US - c 152552)
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                                                                         94WO 1310 (767)
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Notebes 6, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MP1; 1999-540586/45.
                                                                                                                                                                                                                          WPI: 1995 1941:5/25.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 11.21 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  289 catawkaldr 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CATPURGARY 10
                                                                                                                                                                                                                                                                                                                                                                                                tyrosine kinase.
                                                                                                               12 - NOV - 1994 :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26 - FEB - 1998;
                                                                         12-N:V-19:4;
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W09514487-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapieus
                                     18-MAY-1945.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-SEP-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY 40 418;
                                                                                                                                                                                        Risan W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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which bind to MHC. The presentation of the epitopes can also attendate the helper cell and/or eytetaxis T cell responses. The immune response is directed administ conditional reliability that the immune response is directed administ conditional reliability. The immune response is transferred to endothelial cells hing blood vessels but bind to the cells, causing coaquiation and thrombosis. The immune response is transferred to endothelial cells hings blood vessels of the timmer (these cells, those target cells hings of the immune response to the timmer cells, those target cells are accessible to the immune response and problems of antiaconferred by the loss and resistance to the immune cells. The expense the cells are unlikely to occur in normal endothelial cells. The epitopes (see AANGASO 24) are used to quencrate antibodies, and for prevention and treatment of cancer. The peptides, and recombinant DNA constructs or viral vectors that the begins then, are useful as anticancer vaccines to target endothelial
                                                                                                                                                                                                                                                                                                                                                                                                   61.4%; Score 35; DB 20; Length 1124;
60.0%; Pred. No. 5.4c.02;
Live 1; Mismatches 3; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New Lablated some, MFC 1 is associated with Niemann Fick type C
disease, used to develop products for the study, diagramic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this polypeptide comprises the Caenorhabditis elegans orthologue of the human NPCI polypeptide that is associated with extensive discusse type 2 (NP C). The polypeptide shows extensive identity (39%) and similarity (55%) to the human NPCI protein (see AAM8445). Biochemical and genetic analysis of yeast, worm and murine NPCI model systems will provide resources for understanding the role of NPCI in intracellular cholesterol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Niemann-Pick disease type C; NPCL gene; worm; orthologue;
diagnosis; therapy, animal model, cholesterol, neurodegeneration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            homeostasis and in the aeticlogy of neurodegeneration in NP C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pavan W.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Caemorhabditis elegans NPC1 protein orthologue.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Morris JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (USSH ) US DEPT HEALTH & HUMAN RESOURCES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 91-95; 101pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ragle DA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAW88448 standard; Protein; 1296 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gu J, Loffus SK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           38WO US13862.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9705-0051682.
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                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Caemorhabditis elegans.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI: 1999 106056/09.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |||| || || || 289 || catqwkq||qr ||298
                                                                                                                                                                                                                                                                                                                                             Sequence 1124 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CAIDIKGAEC 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9901555-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02 JUL-1998,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAW88448;
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          888888888888888%$
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The peptides AAR83760 80 are examples of poptides that bind to the neurotrophin receptor under physiological conditions in vivo or in vivo or in vivo on the peptides are structural analyses of nerve at action (MPF) and contain at least one beta turn (from region 28- o. 4 + 4 + 9 or 91-90) or 3 consecutive reverse turns (from region 59- o. 4 + 4 + 9 or 91-90) or 3 consecutive reverse turns (from region 59- o. 4 + 9 tides may be of 12 and 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neurotrophin receptor; structural analoa; nerve arewth factor; beta furn; reverse turn; cyclic; tracer, uncharack; hydropathic; inhibition; neurite outgrowth, central nerveus system; peripheral merrons system; neuroma; hormone-receptor interaction site; immunisal centrereceptor domain-function correlation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             group. The popt this are useful for inhibition of nearoff thin, esty for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inhibiting neurite outgrowth, treating central or perity tal actions system disease, tumeurs and neuromas, for mapping between everyten
ARXOGATA) anables methods of the terms with the prosence of metalions in the hNPCL quie, and thereby facilitates the determination of whether an individual is an NP-C suffered or carrier.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New cyclic peptide(s) which bind to nearotrophis receptor and mimic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NOTE designed entropying Langlog L(28-34) binds neurotrophin receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or inhibit neurotrophin activity—ascul e.g. for inhibitions neurite outgrowth or treating nervous system disease, tumours, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         interaction sites and receptor domain-function correlation and to immunisation. This populde is derived from residues 28 ^{\rm sf} and is
                                                                                                                                                                                                                                                          60,5%, 3kuse 31.1, 30.20; rength 1296;
53,8%; Pred. No. 8,9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Saradovi UH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR83764 standard; peptide; 9 AA.
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                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                   Goorty Match
Rost Local Similarity
7, Conserv
                                                                                                                                                                    1296 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAR83764;
                                                                                                                                                                       Sequence
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Memoriachin receptor; structural analoa; nerve area's factor; beta turn; reverse furn; ryclic; tracer; uncharded; hydropathic; infibilition; neurite enterows contras nervous system; peripheral nervous system; tumour; neuroma; hormone-receptor interaction site; immanisation; receptor demain-function correlation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              c termini, which are optionally protected by an Emos or accept protecting group. The peptides are useful for inhibition of neurotrophin, esp. for inhibiting neurite outgrowth, treating central or peripheral nervous system disease, tuniours and neuromanic neapying because receptor interaction sites and receptor domain-function correlation and for immunisation. This peptide is derived from residues (0.1% and contains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            witro. The peptides are structural analogs of nerve growth factor (NGF) and contain at least one beta turn (from region 28-65, 43-49 or 91-98) or 3 consecutive reverse turns (from region 59-65). The peptides may be eyelised by exidu. of tys or other eyelisation procedure and may be linked to a tracer e.g. a matal chelate or radionuclide. The peptides may centain uncharged or hydropathic amino acids at the N- and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New eyelic peptide(s) which bind to neurotrophin receptor and mimic or inhibit remotrophin activity - useful e.g. for inhibiting neurific outgrowth or freating nervous system disease, fuments, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NOF derived structural analog ((30-45) binds nourofrophin receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The peptides AAR83760-80 are examples of peptides that bind to the neurotrophic receptor under physiological conditions is give et in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Znote "any ancharged or hydropathic amino acid"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note "any uncharged or hydropathic umino acid"
                               Score 44: DB 16; Length 9: Pred: No. 3.4e+05; 0; Hismatches 1; Dada; 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                              AAR84761 standard; peptide: 10 AA.
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                               59,68;
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Query Match
Rest Local Similarity 87.58
7: Conservative
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                                                                                                                                                                                                                                                                                                                                                                        RESOLUTION TO
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This corresponds to amino acids 2\sigma 48 (esp. C.D.), of busin notive mosts factor, and esp. has the terminal alpha for H ap. am. balest. Hey have (any) promist activity for treating neurodespenditive als oben
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scrapic; Cretzfoldf Terde disease; derstmann Straussier ignificact
Hundington's chorea; neuroblastome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nerve arowth tactors NSES brain derived wear trifter than 12 ELSS
                            (a) (68) Secure 40 DR 100
67 (58) Prod. No. 100
170 (7) Million Ches
                                                                                                                                                                                                                                               Peptido to induce nerve arewih tactor response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; lable 1; page 7; 44pp; English.
                           er. Mismatchess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nerve growth factor peptido(s) - with agonist and/or antagonist activity
               Princed. No. .
                                                                                                                                                            AAP90624 Standard; pepticio; 11 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAR41747 standard; poptide: 17 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kaner JC;
                                                                                                                                                                                                                                                                                                                                                                                                                          Makip colonofi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     880% 0,534638,
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               1.86
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                                                                                                                                                                                                                    TO PER 1990 (Linst entry)
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Rost Local Similarity (27.55
1.50 Tr. Conservative
                            of Cassetta La
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Londo FM, Mobiley WC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1989-287098/40.
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11 AA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 ATDIKGAF 9
                                                         4 DIRGAEC 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 dikakee 9
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                                                                                                                                                                                                                                                                                                                                                                                                                          28 MAR 1989:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     28 MAR-1988;
                                                                                                                                                                                                                                                                                                                                                                                             04 -471 1989.
                                                                                                                                                                                                                                                                                                                                                                 EP345647 A.
                                                                                                                                                                                                                                                                                                                                      Synthertic.
                                                                                                                                                                                       AAP 90623;
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                            Matches
                                                                                                                                 RESULT 11
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WO9318066-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Comparison of NOF genes from different species has recorded clusters of amino acid residues which are highly conserved across different genes of amino acid residues which are highly conserved across different genes of vertebraces (ref. mouse, haman, bovine, advince per and chicken NET AAR41752, and AAR41752, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5-11-
C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nerve growth factor: NSP; brain-derived neurotrophic factor, HTMF, netrofilm; NT; p55NGFR; receptor; transmembrane glycoprotein; ret; mouse; human; bovine; quined pig; chicken; keropus; snake; mutant, modification.
neurotrophin; NT: p75NGFR; receptor; transmembrane alycoprotein; rat; mouse; human; bevine; quinca piq; chicken;
wencpois; snake; motant; modilieation.
                                                                                                                                                                                                                                                                                                                                    New mutant forms of neurotrophic factor of increased stability have specific positively charged aminoacid(s) replaced. showing more selective binding but equiv. biological activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 59.6%; Score 34; DB 14; Length 12; Best Local Similarity 87.5%; Pred. No. 11;
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                                                                                                                                          93WO-SE00201.
                                                                                                                                                                            920S-0847369.
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                                                                                                                                                                                                                                                                    Persson HB, Moliner CFI;
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                                                                                                                                                                                                              (MOLIZ) MOLINER C F 1.
(PEKSZ) PERSSON B B.
                                                                                                                                                                                                                                                                                                    WPI; 1993-303406/38.
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                                                                                                                                         08 MAR-1993;
                                                                                                                                                                            06 - MAR - 1992;
                                                                       MO9418066-A.
                                                                                                         16 SEP 1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        stability.
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Comparison of NGF genes from different species has revealed clusters of amino acid residues which are highly conserved across different gls. of vertebrades (rat. manusc., human, becies, 1 des a fit and "Himber NGF, AAR41760, rot of PAR41761; snake NGF, AAR41769, rat HUNF; AAR41760, rot N. 3. AAR41761, and vonepus NT-4. AAR41762 is a HIMB; R.w. mediant near-thophic factor (RP) comprises a wild type NF having as modification, replacement of one or more positively charged amino as modification, replacement of one or more positively charged amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acids, in the unit optical cases for the formular solution of the bind to provide a transmission of the bind to provide a transmission of the provided a brind to provide a transmission of the provided at the control of the modifications are present at these for the transmission of the provided and provided and the provided and provided and the provided and provided a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New mutant forms of neurotrophic factor of increased stability have specific positively charged aminoacid(s) replaced, showing more selective binding but equiv, biological activity
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87.5%; Pred. No. 11;
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                                                                                                                 93WO-SE00201.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Persson HB, Meliner CF1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 87.5
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                  (MOLIZ) MOLINER C F L. (PERSZ) PERSSON H B.
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                                                                                                                 08-MAR-1993;
                                                                                                                                                                                                                            06-MAR-1492;
16 SEP 1993.
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14 AA:

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide entrespends to AAS 23 to 35 of rat (abuse, chicken, howar) MGP.
                                                                                                                                                                                        Poptides are Abs raised to them are useful in detecting the presence of NdF and precursors, allowing early diagnosis and freatment of nervous disorders of Alzheimer's and Parkinson's disease, spinal
                                                                                                                                                                                                                                                                                                                                       0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptides are Abs raised to them are useful in detecting the presence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nermons discretz, Alpheimer's discase, Parkinsod's discase, pareke.
                                                                                                              New peptide Tranments of nerve growth factor or its presentant used to raise specific antibodies for immunoassay, esp. for brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of NGP and precursors, allowing early diagnosis and freatment of
nervous disorders eq. Alzheimer's and Parkinson's disease, spinal
cord injury, stroke etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New peptide fragments of nerve growth factor or its precursor used to raise specific antibodies for immunoassay, esp. for brain
                                                                                                                                                                                                                                 cord injury, stroke etc.
Peptide corresponds to AAs 23 to 35 of human NGF mature protein.
                                                                                                                                                                                                                                                                                                            59.68; Score 34; DB-11; Length 13;
87.58; Pred. No. 12;
                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic Nerve growth factor (NGF) peptide fragment
                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR07161 standard; protein; 14 AA.
                                                              Ebendal T;
                                                                                                                                                                  Claim 1; Page 13; 24pp; English.
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          89SE-0000899.
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Best Local Similarity 87.5%
Matches 7: Conservative
                                                              Persson H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          olson L, Persson H,
                                    (LOPE:) LOPE MED AB.
                                                                                       WP1; 1990-304983,740
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                                                                                                                                                                                                                                                                       Sequence 14 AA;
                                                                                                                                                                                                                                                                                                                                                                           2 ATDIRGAE 9
          14 - MAR - 1989,
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Ouery Match
Best Loral Similarity 87.5%, Pred, No. 18;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Uses

Oy 2 ArbikoAE 9

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